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ACIDIC PRECIPITATION IN ONTARIO STUDY

ANNUAL STATISTICS OF CONCENTRATION CUMULATIVE AMBIENT AIR MONITORING NETWORK, 1982

August, 1984

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Ontario
Ministry of the Environment

The Honourable
Andrew S. Brandt
Minister

Dr. Allan E. Dyer
Deputy Minister

ACIDIC PRECIPITATION IN ONTARIO STUDY

ANNUAL STATISTICS OF CONCENTRATION - CUMULATIVE AMBIENT AIR MONITORING NETWORK, 1982

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TABLE OF CONTENTS

		Page
PART I	Introduction	II
PART II	Station Description and Location Map	III
PART III	Summary Statistics of Observed Concentration by Station	

Station	Map Ref. No.	
Colchester	1	1
Port Stanley	3	4
Wilkesport	4	7
Palmerston	8	10
Shallow Lake	9	13
Milton	10	16
Uxbridge	11	19
Campbellford	13	22
Kaladar	14	25
Smith's Falls	15	28
Dalhousie Mills	16	31
Golden Lake	17	34
Dorset	20	37
McKellar	21	40
Mattawa	22	43
Killarney	23	46
Gowganda	25	49
Moonbeam	27	52
Attawapiskat	28	55
Nakina	30	58
Dorion	31	61
Ear Falls	35	64
Pickle Lake	36	67

PART IV	Summary Statistics of Observed Concentration by Region	
	Central Region	70
	Northeastern Region	73
	Northwestern Region	76
	Southeastern Region	79
	Southwestern Region	82

PART I

INTRODUCTION

INTRODUCTION

The statistical summaries presented in this report pertain to the 1982 analytical results obtained from the Acidic Precipitation in Ontario Study (APIOS) cumulative ambient air monitoring network. These statistics correspond to those of a typical cumulative (28d) sampling period. The relevant data are listed in a previous report #ARB-145-84-ARSP. Any sample of which sampling period is less than 20 days or greater than 36 days is not included in the statistics calculations. All available data are utilized with the following modifications. Results reported as being unreliable or approximate are not included in the calculations. If it is noted that the actual results is greater than the reported value due to exceedance of upper limit, then the reported value is also excluded. If a detection limits is reported, a value corresponding to one half the detection limit is utilized in the statistic calculations. In the presented statistical summaries, "Total Sulphur" is calculated by the summation of sulphur of "Sulphur Dioxide" and "Sulphate".

The statistical summaries presented in Parts III and IV include mean (arithmetic/geometric), standard deviation (arithmetic/geometric), sample size, maximum, minimum and quartiles.

PART II

STATION DESCRIPTION AND LOCATION MAP

PART III

SUMMARY STATISTICS OF OBSERVED CONCENTRATION BY STATION

STATION LOCATION MAP

* 1 - COLCHESTER	*11 - UXBRIDGE	* 21 - MCKELLAR	* 31 - ORION
2 - MERLIN	12 - COLDWATER	* 22 - MATTAWA	32 - DUFFIELD CENTRE
* 3 - PORT STANLEY	*13 - CAMPBELLFORD	* 23 - KILLARNEY	33 - LAC LA CROIX
* 4 - WILKESPORT	*14 - KALADAR	24 - BEAR ISLAND	34 - DEP LAKES AREA
5 - ALVINSTON	*15 - SMITH'S FALLS	* 25 - ISOBARDA	* 35 - EAR FALLS
6 - HURON PARK	*16 - DALHOUSIE MILLS	26 - RAMSEY	* 36 - PICKLE LAKE
7 - WATERLOO	*17 - GOLDEN LAKE	* 27 - MOOSEAM	
* 8 - PALMERSTON	18 - WILBERFORCE	* 28 - ATTAWAPISKAT	
* 9 - SHALLOW LAKE	19 - WHITNEY	29 - WINISK	
*10 - MILTON	*20 - DORSET	* 30 - WAWINA	

* ALL SITES ARE EQUIPPED WITH WET DEPOSITION SAMPLING INSTRUMENTATION.
THOSE SITES LABELLED (*) ALSO HAVE CO-LOCATED LO-VOL AIR SAMPLING EQUIPMENT.

APIOS CUMULATIVE WET/DRY DEPOSITION NETWORK SITE DESCRIPTIONS

MOE REGION	STATION NAME	ELEVATION (m above MSL)	LATITUDE (North)	LONGITUDE (West)	UTM GRID CO-ORDINATES (Northing)	(Easting)
Southwestern	Colchester	183	41°59'15"	82°35'41"	4630000	340300
	Merlin	191	42°10'47"	82°13'30"	4676400	398950
	Pt. Stanley	213	42°40'22"	81°09'55"	4724050	486700
	Wilkesport	183	42°42'11"	82°21'13"	4728350	389150
	Alvinston	221	42°49'36"	81°50'04"	4942000	431350
	Shallow Lake	229	44°30'50"	81°05'24"	4936200	492850
	Palmerston	389	43°48'19"	80°59'12"	4850050	507750
	Huron Park	250	43°17'28"	81°30'03"	4793000	459350
	Waterloo	303	43°28'39"	80°33'09"	4813750	533500
Central	Dorset	320	45°13'20"	78°53'52"	5009650	662400
	Milton	221	43°31'03"	79°53'54"	4818600	586350
	Uxbridge	294	44°12'46"	79°12'38"	4896800	643000
	Wilberforce	396	45°00'50"	78°12'58"	4988150	719900
	Campbellford	175	44°17'28"	77°47'33"	4907600	277150
	Coldwater	288	44°37'31"	79°32'08"	4942200	615900
Southeastern	Kaladar	294	44°41'31"	77°09'18"	4950800	329250
	Smiths Falls	122	44°56'41"	75°57'48"	4977100	423950
	Dalhousie Mills	69	45°19'00"	76°28'13"	5018100	361550
	Golden Lake	168	45°30'48"	77°12'03"	5033200	328400
Northeastern	McKellar	290	45°28'57"	79°37'19"	5040680	583950
	Killarney	183	45°59'26"	81°29'18"	5092900	462200
	Mattawa	198	46°16'47"	78°49'19"	5127150	667800
	Bear Island	305	46°58'22"	80°04'40"	5202400	570350
	Ramsey	427	47°26'33"	82°20'14"	5254900	399200
	Gowganda	343	47°39'04"	80°46'32"	5277300	516600
	Moonbeam	294	49°19'16"	82°08'46"	5463600	416650
	Attawapiskat	9	52°56'00"	82°24'00"	NA	NA
	Whitney	412	45°32'21"	78°13'35"	5045950	713950
Northwestern	Dorion	294	48°50'35"	88°36'45"	5410800	382150
	Nakina	320	50°10'38"	86°42'40"	5558150	520950
	Ear Falls	350	50°38'31"	93°13'13"	5609800	484150
	Pickle Lake	360	51°27'01"	90°12'04"	5704800	694550
	Lac la Croix	368	48°21'14"	92°12'32"	5355900	558400
	Quetico Centre	420	48°44'29"	91°12'08"	5399750	632100
	E.L.A.	123	49°39'22"	93°43'28"	5500950	447350
	Winisk	9	55°12'00"	85°08'00"	NA	NA

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : COLCHESTER/CUMULATIVE/LO-VOL 81

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	TOTAL SULPHUR UG/M**3	TOTAL N -NITRATE UG/M**3	CHLORIDE UG/M**3	CALCIUM UG/M**3	MAGNESIM UG/M**3
# OF SAMPLES :	9	5	5	8	8	10	10
MAXIMUM :	36.71	8.67	21.25	2.50	0.88	1.10	0.46
MINIMUM :	5.77	3.26	4.55	0.87	0.36	0.19	0.07
RANGE :	30.94	5.42	16.70	1.63	0.52	0.91	0.39
ARITH. MEAN :	15.39	5.57	11.94	1.39	0.65	0.66	0.21
ARITH. STD. DEV :	11.75	1.99	7.53	0.49	0.16	0.29	0.11
GEOM. MEAN :	12.33	5.30	10.05	1.33	0.63	0.60	0.19
GEOM. STD. DEV. :	1.97	1.42	1.95	1.36	1.32	1.68	1.69
1ST QUARTILE :	7.03	4.13	5.53	1.16	0.59	0.47	0.14
2ND QUARTILE :	9.89	5.00	7.61	1.30	0.61	0.60	0.18
3RD QUARTILE :	14.06	5.47	13.70	1.42	0.77	0.81	0.23

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : COLCHESTER/CUMULATIVE/LO-VOL #1

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	POTASSIM UG/M**3	SODIUM UG/M**3	IRON UG/M**3	ALUMINUM UG/M**3	LEAD UG/M**3	MANGANSE UG/M**3	COPPER UG/M**3
# OF SAMPLES :	7	7	10	9	10	10	10
MAXIMUM :	0.139	0.222	0.362	0.116	0.114	0.016	0.0084
MINIMUM :	0.050	0.098	0.057	0.051	0.040	0.006	0.0020
RANGE :	0.089	0.124	0.305	0.064	0.074	0.010	0.0064
ARITH. MEAN :	0.095	0.156	0.178	0.081	0.078	0.011	0.0047
ARITH. STD. DEV :	0.037	0.043	0.082	0.023	0.024	0.003	0.0019
GEOM. MEAN :	0.089	0.151	0.161	0.078	0.075	0.011	0.0043
GEOM. STD. DEV. :	1.513	1.321	1.627	1.334	1.384	1.291	1.5164
1ST QUARTILE :	0.057	0.109	0.126	0.061	0.060	0.010	0.0030
2ND QUARTILE :	0.076	0.148	0.169	0.073	0.075	0.012	0.0046
3RD QUARTILE :	0.130	0.177	0.202	0.091	0.089	0.012	0.0049

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : COLCHESTER/CUMULATIVE/LO-VOL #1

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	NICKEL	VANADIUM	ZINC	CADMIUM
	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	9	10	10	10
MAXIMUM :	0.00217	0.0035	0.079	0.00176
MINIMUM :	0.00039	0.0007	0.028	0.00023
RANGE :	0.00178	0.0028	0.051	0.00152
ARITH. MEAN :	0.00131	0.0016	0.045	0.00077
ARITH. STD. DEV :	0.00060	0.0009	0.014	0.00045
GEOM. MEAN :	0.00115	0.0014	0.044	0.00065
GEOM. STD. DEV. :	1.79436	1.8183	1.330	1.87324
1ST QUARTILE :	0.00066	0.0007	0.035	0.00041
2ND QUARTILE :	0.00137	0.0016	0.042	0.00069
3RD QUARTILE :	0.00168	0.0020	0.049	0.00090

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : PORT STANLEY/CUMULATIVE/LO-VOL #3

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	TOTAL SULPHUR UG/M**3	TOTAL N -NITRATE UG/M**3	CHLORIDE UG/M**3	CALCIUM UG/M**3	MAGNESIM UG/M**3
# OF SAMPLES :	12	8	8	10	10	12	12
MAXIMUM :	34.68	7.21	18.94	2.33	0.73	1.37	0.32
MINIMUM :	3.45	2.99	3.84	0.83	0.19	0.26	0.06
RANGE :	31.23	4.22	15.09	1.50	0.54	1.10	0.26
ARITH. MEAN :	12.18	5.35	9.69	1.23	0.45	0.58	0.14
ARITH. STD. DEV :	10.86	1.49	5.92	0.46	0.15	0.31	0.09
GEOM. MEAN :	8.79	5.15	8.27	1.17	0.43	0.52	0.12
GEOM. STD. DEV. :	2.28	1.36	1.82	1.38	1.45	1.62	1.77
1ST QUARTILE :	4.34	4.21	4.90	0.94	0.36	0.37	0.08
2ND QUARTILE :	6.54	5.53	8.06	1.00	0.43	0.51	0.11
3RD QUARTILE :	15.59	6.55	14.40	1.33	0.51	0.71	0.17

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : PORT STANLEY/CUMULATIVE/LO-VOL #3

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83 PAGE : 2

	POTASSIM	SODIUM	IRON	ALUMINUM	LEAD	MANGANSE	COPPER
	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	10	10	11	11	11	12	11
MAXIMUM :	0.175	0.204	0.480	0.370	0.080	0.034	0.0039
MINIMUM :	0.046	0.031	0.041	0.019	0.023	0.003	0.0011
RANGE :	0.130	0.173	0.439	0.352	0.057	0.030	0.0027
ARITH. MEAN :	0.085	0.136	0.192	0.102	0.052	0.013	0.0022
ARITH. STD. DEV :	0.039	0.049	0.148	0.097	0.016	0.009	0.0010
GEOM. MEAN :	0.078	0.123	0.151	0.076	0.050	0.010	0.0021
GEOM. STD. DEV. :	1.523	1.703	2.070	2.169	1.427	1.989	1.5536
1ST QUARTILE :	0.049	0.104	0.083	0.043	0.036	0.007	0.0012
2ND QUARTILE :	0.079	0.141	0.135	0.075	0.053	0.010	0.0021
3RD QUARTILE :	0.094	0.144	0.190	0.089	0.061	0.018	0.0027

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : PORT STANLEY/CUMULATIVE/LO-VOL #3

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	NICKEL	VANADIUM	ZINC	CADMIUM
	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	12	12	11	12
MAXIMUM :	0.00283	0.0029	0.040	0.00124
MINIMUM :	0.00035	0.0006	0.012	0.00015
RANGE :	0.00248	0.0023	0.027	0.00110
ARITH. MEAN :	0.00095	0.0012	0.025	0.00055
ARITH. STD. DEV :	0.00077	0.0008	0.009	0.00037
GEOM. MEAN :	0.00074	0.0010	0.024	0.00044
GEOM. STD. DEV. :	2.04864	1.7740	1.418	1.97118
1ST QUARTILE :	0.00037	0.0007	0.018	0.00027
2ND QUARTILE :	0.00068	0.0007	0.022	0.00041
3RD QUARTILE :	0.00115	0.0014	0.029	0.00076

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : WILKESPORT/CUMULATIVE/LO-VOL $4

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83 PAGE : 1

	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	TOTAL SULPHUR UG/M**3	TOTAL N -NITRATE UG/M**3	CHLORIDE UG/M**3	CALCIUM UG/M**3	MAGNESIUM UG/M**3
# OF SAMPLES :	7	5	5	7	7	6	7
MAXIMUM :	37.34	10.37	20.35	2.50	1.06	2.46	0.97
MINIMUM :	4.43	3.55	5.67	0.76	0.57	0.35	0.06
RANGE :	32.91	6.82	14.68	1.74	0.50	2.11	0.91
ARITH. MEAN :	16.96	6.41	9.97	1.60	0.78	1.24	0.35
ARITH. STD. DEV :	12.98	3.13	6.03	0.60	0.18	0.93	0.37
GEOM. MEAN :	12.87	5.83	8.85	1.49	0.77	0.98	0.21
GEOM. STD. DEV. :	2.29	1.63	1.68	1.51	1.26	2.15	3.10
1ST QUARTILE :	4.94	3.76	5.72	0.89	0.58	0.51	0.07
2ND QUARTILE :	11.85	4.50	7.38	1.52	0.76	0.80	0.11
3RD QUARTILE :	23.90	7.08	9.02	1.92	0.88	1.61	0.56

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : WILKESPORT/CUMULATIVE/LO-VOL #4

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	POTASSIM UG/M**3	SODIUM UG/M**3	IRON UG/M**3	ALUMINUM UG/M**3	LEAD UG/M**3	MANGANSE UG/M**3	COPPER UG/M**3
# OF SAMPLES :	5	5	7	7	6	7	7
MAXIMUM :	0.119	0.360	0.820	0.541	0.085	0.030	0.0062
MINIMUM :	0.083	0.150	0.046	0.030	0.049	0.006	0.0008
RANGE :	0.036	0.211	0.774	0.511	0.036	0.024	0.0053
ARITH. MEAN :	0.102	0.229	0.268	0.174	0.066	0.016	0.0032
ARITH. STD. DEV :	0.018	0.080	0.270	0.175	0.015	0.010	0.0019
GEOM. MEAN :	0.101	0.219	0.174	0.118	0.064	0.014	0.0026
GEOM. STD. DEV. :	1.195	1.363	2.804	2.603	1.257	1.947	2.0880
1ST QUARTILE :	0.083	0.169	0.051	0.042	0.050	0.006	0.0011
2ND QUARTILE :	0.098	0.201	0.152	0.095	0.065	0.013	0.0027
3RD QUARTILE :	0.113	0.224	0.324	0.200	0.074	0.024	0.0044

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : MILKESPORT/CUMULATIVE/LO-VOL #4

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	NICKEL	VANADIUM	ZINC	CADMIUM
	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	7	7	7	7
MAXIMUM :	0.00264	0.0034	0.056	0.00167
MINIMUM :	0.00036	0.0007	0.017	0.00025
RANGE :	0.00228	0.0027	0.039	0.00142
ARITH. MEAN :	0.00109	0.0018	0.040	0.00089
ARITH. STD. DEV :	0.00081	0.0011	0.014	0.00053
GEOM. MEAN :	0.00087	0.0015	0.038	0.00072
GEOM. STD. DEV. :	2.06160	1.9212	1.518	2.18298
1ST QUARTILE :	0.00039	0.0008	0.022	0.00025
2ND QUARTILE :	0.00075	0.0012	0.041	0.00085
3RD QUARTILE :	0.00135	0.0027	0.049	0.00120

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : PALMERSTON/CUMULATIVE/LO-VOL 88

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	TOTAL SULPHUR UG/M**3	TOTAL N -NITRATE UG/M**3	CHLORIDE UG/M**3	CALCIUM UG/M**3	MAGNESIM UG/M**3
# OF SAMPLES :	11	9	9	9	10	10	11
MAXIMUM :	18.17	6.88	10.36	1.36	0.68	1.70	0.69
MINIMUM :	1.24	3.33	1.97	0.40	0.25	0.20	0.09
RANGE :	16.93	3.55	8.38	0.97	0.42	1.50	0.60
ARITH. MEAN :	7.01	4.98	4.85	0.97	0.43	0.83	0.25
ARITH. STD. DEV :	5.87	1.27	2.68	0.32	0.13	0.59	0.21
GEOM. MEAN :	5.03	4.76	4.29	0.91	0.41	0.64	0.19
GEOM. STD. DEV. :	2.39	1.29	1.67	1.50	1.37	2.19	2.06
1ST QUARTILE :	2.55	3.93	3.04	0.71	0.30	0.30	0.11
2ND QUARTILE :	3.75	4.38	3.62	1.01	0.41	0.55	0.14
3RD QUARTILE :	10.69	5.48	5.15	1.12	0.51	1.29	0.32

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : PALMERSTON/CUMULATIVE/LO-VOL #8

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	POTASSIM	SODIUM	IRON	ALUMINUM	LEAD	MANGANSE	COPPER
	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	9	9	11	11	11	11	11
MAXIMUM :	0.120	0.229	0.395	0.299	0.108	0.020	0.0037
MINIMUM :	0.045	0.083	0.031	0.036	0.028	0.004	0.0012
RANGE :	0.075	0.147	0.363	0.263	0.080	0.017	0.0024
ARITH. MEAN :	0.076	0.139	0.168	0.105	0.055	0.009	0.0021
ARITH. STD. DEV :	0.026	0.051	0.114	0.083	0.022	0.005	0.0008
GEOM. MEAN :	0.072	0.131	0.136	0.082	0.051	0.008	0.0020
GEOM. STD. DEV. :	1.387	1.417	2.060	2.057	1.432	1.594	1.4732
1ST QUARTILE :	0.056	0.097	0.083	0.038	0.041	0.006	0.0013
2ND QUARTILE :	0.066	0.119	0.126	0.070	0.047	0.008	0.0017
3RD QUARTILE :	0.077	0.148	0.213	0.129	0.055	0.010	0.0026

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : PALMERSTON/CUMULATIVE/LO-VOL 86

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	NICKEL	VANADIUM	ZINC	CADMIUM
	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	11	11	11	11
MAXIMUM :	0.00303	0.0024	0.036	0.00125
MINIMUM :	0.00032	0.0006	0.010	0.00008
RANGE :	0.00271	0.0018	0.026	0.00117
ARITH. MEAN :	0.00079	0.0010	0.022	0.00065
ARITH. STD. DEV :	0.00080	0.0005	0.007	0.00032
GEOM. MEAN :	0.00060	0.0009	0.021	0.00054
GEOM. STD. DEV. :	2.01280	1.5051	1.405	2.13416
1ST QUARTILE :	0.00034	0.0007	0.017	0.00036
2ND QUARTILE :	0.00042	0.0008	0.022	0.00065
3RD QUARTILE :	0.00074	0.0011	0.024	0.00083

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : SHALLOW LAKE/CUMULATIVE/LO-VOL 89

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83 PAGE : 1

	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	TOTAL SULPHUR UG/M**3	TOTAL N -NITRATE UG/M**3	CHLORIDE UG/M**3	CALCIUM UG/M**3	MAGNESIM UG/M**3
# OF SAMPLES :	12	11	11	10	11	12	12
MAXIMUM :	13.37	5.76	8.07	1.14	0.35	0.43	0.13
MINIMUM :	0.49	1.20	1.11	0.30	0.16	0.12	0.04
RANGE :	12.88	4.56	6.97	0.84	0.19	0.32	0.09
ARITH. MEAN :	5.00	3.48	3.65	0.63	0.26	0.28	0.07
ARITH. STD. DEV :	4.43	1.34	2.45	0.30	0.06	0.11	0.03
GEOM. MEAN :	3.20	3.22	2.94	0.57	0.25	0.26	0.07
GEOM. STD. DEV. :	2.91	1.56	2.03	1.59	1.28	1.53	1.49
1ST QUARTILE :	1.66	2.38	1.26	0.39	0.20	0.20	0.05
2ND QUARTILE :	3.20	3.04	2.55	0.50	0.25	0.28	0.08
3RD QUARTILE :	8.57	4.32	5.30	0.84	0.29	0.37	0.09

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : SHALLOW LAKE/CUMULATIVE/LO-VOL 89

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	POTASSIM	SODIUM	IRON	ALUMINUM	LEAD	MANGANSE	COPPER
	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	11	11	12	12	12	12	12
MAXIMUM :	0.101	0.200	0.113	0.058	0.057	0.006	0.0032
MINIMUM :	0.003	0.061	0.029	0.010	0.008	0.003	0.0008
RANGE :	0.098	0.139	0.083	0.048	0.049	0.003	0.0025
ARITH. MEAN :	0.056	0.115	0.069	0.035	0.029	0.004	0.0017
ARITH. STD. DEV :	0.030	0.043	0.023	0.013	0.016	0.001	0.0007
GEOM. MEAN :	0.043	0.108	0.065	0.032	0.025	0.004	0.0016
GEOM. STD. DEV. :	2.626	1.436	1.430	1.594	1.934	1.301	1.5474
1ST QUARTILE :	0.030	0.081	0.056	0.030	0.017	0.004	0.0012
2ND QUARTILE :	0.053	0.094	0.064	0.033	0.025	0.004	0.0017
3RD QUARTILE :	0.071	0.143	0.085	0.044	0.042	0.005	0.0020

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : SHALLOW LAKE/CUMULATIVE/LO-VOL 89

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	NICKEL	VANADIUM	ZINC	CADMIUM
	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	12	12	12	11
MAXIMUM :	0.00190	0.0013	0.021	0.00171
MINIMUM :	0.00038	0.0006	0.002	0.00004
RANGE :	0.00152	0.0007	0.019	0.00167
ARITH. MEAN :	0.00067	0.0009	0.012	0.00049
ARITH. STD. DEV :	0.00043	0.0002	0.006	0.00051
GEOM. MEAN :	0.00059	0.0008	0.010	0.00032
GEOM. STD. DEV. :	1.62474	1.2161	1.894	2.75331
1ST QUARTILE :	0.00041	0.0008	0.009	0.00018
2ND QUARTILE :	0.00049	0.0008	0.010	0.00025
3RD QUARTILE :	0.00082	0.0009	0.017	0.00054

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : MILTON/CUMULATIVE/LO-VOL #10

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	TOTAL SULPHUR UG/M**3	TOTAL N -NITRATE UG/M**3	CHLORIDE UG/M**3	CALCIUM UG/M**3	MAGNESIN UG/M**3
# OF SAMPLES :	6	5	5	6	5	7	7
MAXIMUM :	10.99	5.18	7.22	1.07	0.52	1.57	0.55
MINIMUM :	3.89	0.88	2.24	0.35	0.27	0.05	0.02
RANGE :	7.10	4.30	4.98	0.72	0.25	1.51	0.53
ARITH. MEAN :	6.97	3.68	4.63	0.81	0.42	0.83	0.29
ARITH. STD. DEV :	3.07	1.68	2.14	0.27	0.10	0.50	0.19
GEOM. MEAN :	6.40	3.15	4.22	0.76	0.41	0.59	0.20
GEOM. STD. DEV. :	1.58	2.07	1.63	1.51	1.30	3.15	3.31
1ST QUARTILE :	3.91	2.18	2.68	0.51	0.33	0.26	0.08
2ND QUARTILE :	6.55	3.93	3.61	0.86	0.41	0.76	0.24
3RD QUARTILE :	8.86	4.44	5.27	0.98	0.45	1.10	0.43

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : MILTON/CUMULATIVE/LO-VOL #10

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83 PAGE : 2

	POTASSIM	SODIUM	IRON	ALUMINUM	LEAD	MANGANSE	COPPER
	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	7	6	7	7	7	6	7
MAXIMUM :	0.222	0.157	0.338	0.164	0.185	0.017	0.0074
MINIMUM :	0.005	0.088	0.025	0.013	0.025	0.001	0.0004
RANGE :	0.216	0.069	0.312	0.151	0.160	0.016	0.0070
ARITH. MEAN :	0.109	0.124	0.181	0.081	0.128	0.012	0.0031
ARITH. STD. DEV :	0.067	0.026	0.106	0.057	0.049	0.006	0.0021
GEOM. MEAN :	0.076	0.121	0.143	0.059	0.112	0.010	0.0024
GEOM. STD. DEV. :	3.415	1.241	2.402	2.644	1.954	2.587	2.3840
1ST QUARTILE :	0.043	0.098	0.056	0.017	0.073	0.007	0.0013
2ND QUARTILE :	0.095	0.119	0.174	0.069	0.139	0.014	0.0026
3RD QUARTILE :	0.133	0.137	0.235	0.117	0.145	0.014	0.0033

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : MILTON/CUMULATIVE/LO-VOL $10

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	NICKEL	VANADIUM	ZINC	CADMIUM
	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	7	7	7	7
MAXIMUM :	0.00635	0.0008	0.042	0.00073
MINIMUM :	0.00035	0.0005	0.010	0.00004
RANGE :	0.00600	0.0003	0.032	0.00070
ARITH. MEAN :	0.00321	0.0007	0.032	0.00038
ARITH. STD. DEV :	0.00257	0.0001	0.012	0.00024
GEOM. MEAN :	0.00193	0.0007	0.029	0.00028
GEOM. STD. DEV. :	3.53646	1.1372	1.679	2.90652
1ST QUARTILE :	0.00037	0.0006	0.017	0.00008
2ND QUARTILE :	0.00233	0.0007	0.034	0.00040
3RD QUARTILE :	0.00535	0.0008	0.040	0.00049

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : UXBRIDGE/CUMULATIVE/LO-VOL #11

PERIOD OF REPORT : JAN 5,82 TO JAN 3,83

	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	TOTAL SULPHUR UG/M**3	TOTAL N -NITRATE UG/M**3	CHLORIDE UG/M**3	CALCIUM UG/M**3	MAGNESIM UG/M**3
# OF SAMPLES :	13	12	12	12	12	12	13
MAXIMUM :	15.81	7.18	8.11	1.07	0.50	1.92	0.18
MINIMUM :	0.71	0.28	0.77	0.26	0.00	0.01	0.00
RANGE :	15.10	6.99	7.34	0.81	0.50	1.91	0.17
ARITH. MEAN :	5.97	3.46	4.36	0.66	0.32	0.56	0.06
ARITH. STD. DEV :	4.61	2.27	2.04	0.24	0.13	0.56	0.05
GEOM. MEAN :	4.19	2.33	3.77	0.61	0.37	0.27	0.04
GEOM. STD. DEV. :	2.62	3.13	1.90	1.53	1.30	4.94	3.03
1ST QUARTILE :	1.46	1.08	3.00	0.49	0.27	0.14	0.02
2ND QUARTILE :	4.52	3.88	4.42	0.71	0.33	0.50	0.06
3RD QUARTILE :	7.74	4.81	5.40	0.81	0.40	0.69	0.08

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : UXBRIDGE/CUMULATIVE/LO-VOL #11

PERIOD OF REPORT : JAN 5,82 TO JAN 3,83

	POTASSIM	SODIUM	IRON	ALUMINUM	LEAD	MANGANSE	COPPER
	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	11	9	13	13	13	13	13
MAXIMUM :	0.126	0.137	0.204	0.109	0.095	0.015	0.0025
MINIMUM :	0.000	0.065	0.016	0.005	0.002	0.000	0.0004
RANGE :	0.126	0.071	0.188	0.104	0.093	0.015	0.0021
ARITH. MEAN :	0.070	0.102	0.080	0.043	0.042	0.006	0.0016
ARITH. STD. DEV :	0.040	0.022	0.055	0.033	0.029	0.005	0.0006
GEOM. MEAN :	0.068	0.100	0.062	0.030	0.028	0.004	0.0013
GEOM. STD. DEV. :	1.770	1.253	2.185	2.501	3.230	3.180	1.9207
1ST QUARTILE :	0.031	0.088	0.032	0.016	0.014	0.003	0.0008
2ND QUARTILE :	0.065	0.095	0.057	0.022	0.040	0.006	0.0017
3RD QUARTILE :	0.097	0.110	0.110	0.057	0.061	0.009	0.0021

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : UXBRIDGE/CUMULATIVE/LO-VOL #11

PERIOD OF REPORT : JAN 5,82 TO JAN 3,83

	NICKEL	VANADIUM	ZINC	CADMIUM
	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	13	13	13	12
MAXIMUM :	0.00264	0.0012	0.027	0.00071
MINIMUM :	0.00033	0.0006	0.001	0.00004
RANGE :	0.00231	0.0006	0.027	0.00067
ARITH. MEAN :	0.00076	0.0008	0.014	0.00035
ARITH. STD. DEV :	0.00065	0.0002	0.009	0.00023
GEOM. MEAN :	0.00061	0.0008	0.009	0.00025
GEOM. STD. DEV. :	1.87827	1.1928	3.606	2.75206
1ST QUARTILE :	0.00039	0.0007	0.004	0.00013
2ND QUARTILE :	0.00046	0.0008	0.015	0.00033
3RD QUARTILE :	0.00073	0.0009	0.021	0.00053

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CAMPBELLFORD/CUMULATIVE/LO-VOL #13

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	TOTAL SULPHUR UG/M**3	TOTAL N -NITRATE UG/M**3	CHLORIDE UG/M**3	CALCIUM UG/M**3	MAGNESIUM UG/M**3
# OF SAMPLES :	11	10	10	10	10	11	11
MAXIMUM :	10.55	6.05	6.31	1.33	0.55	4.03	0.17
MINIMUM :	0.82	2.33	1.90	0.30	0.22	0.07	0.03
RANGE :	9.73	3.72	4.42	1.03	0.33	3.96	0.13
ARITH. MEAN :	4.50	4.03	3.62	0.65	0.30	1.41	0.09
ARITH. STD. DEV :	2.61	1.16	1.26	0.28	0.10	1.24	0.04
GEOM. MEAN :	3.74	3.88	3.42	0.61	0.29	0.92	0.08
GEOM. STD. DEV. :	2.02	1.34	1.43	1.48	1.33	3.05	1.70
1ST QUARTILE :	2.08	3.19	2.62	0.49	0.23	0.49	0.05
2ND QUARTILE :	4.16	3.64	3.41	0.56	0.26	0.86	0.07
3RD QUARTILE :	5.39	4.66	4.05	0.72	0.32	1.84	0.12

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CAMPBELLFORD/CUMULATIVE/LO-VOL #13

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83 PAGE : 2

	POTASSIM	SODIUM	IRON	ALUMINUM	LEAD	MANGANSE	COPPER
	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	10	9	11	11	11	11	11
MAXIMUM :	0.128	0.201	0.242	0.185	0.100	0.013	0.0056
MINIMUM :	0.040	0.088	0.032	0.057	0.036	0.003	0.0003
RANGE :	0.088	0.112	0.210	0.128	0.064	0.010	0.0063
ARITH. MEAN :	0.065	0.124	0.135	0.097	0.054	0.008	0.0025
ARITH. STD. DEV :	0.025	0.039	0.071	0.052	0.019	0.003	0.0018
GEOM. MEAN :	0.061	0.119	0.117	0.087	0.052	0.007	0.0020
GEOM. STD. DEV. :	1.393	1.338	1.819	1.604	1.353	1.568	2.2579
1ST QUARTILE :	0.049	0.092	0.079	0.058	0.041	0.005	0.0013
2ND QUARTILE :	0.056	0.108	0.104	0.067	0.046	0.008	0.0019
3RD QUARTILE :	0.069	0.128	0.193	0.127	0.058	0.010	0.0032

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CAMPBELLFORD/CUMULATIVE/LO-VOL #13

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	NICKEL	VANADIUM	ZINC	CADMIUM
	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	11	10	11	11
MAXIMUM :	0.00323	0.0019	0.033	0.00138
MINIMUM :	0.00035	0.0006	0.005	0.00015
RANGE :	0.00288	0.0013	0.028	0.00123
ARITH. MEAN :	0.00156	0.0011	0.017	0.00051
ARITH. STD. DEV :	0.00102	0.0006	0.008	0.00033
GEOM. MEAN :	0.00121	0.0010	0.015	0.00044
GEOM. STD. DEV. :	2.23871	1.6554	1.669	1.79339
1ST QUARTILE :	0.00048	0.0006	0.010	0.00028
2ND QUARTILE :	0.00126	0.0007	0.017	0.00043
3RD QUARTILE :	0.00221	0.0016	0.021	0.00060

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : KALADAR/CUMULATIVE/LO-VOL #14

PERIOD OF REPORT : JAN 5,82 TO NOV 10,82 PAGE : 1

	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	TOTAL SULPHUR UG/M**3	TOTAL N -NITRATE UG/M**3	CHLORIDE UG/M**3	CALCIUM UG/M**3	MAGNESIM UG/M**3
# OF SAMPLES :	9	8	8	8	8	9	9
MAXIMUM :	7.10	5.04	4.48	0.67	0.88	0.33	0.08
MINIMUM :	0.99	0.39	1.19	0.14	0.14	0.05	0.01
RANGE :	6.10	4.65	3.29	0.53	0.74	0.29	0.06
ARITH. MEAN :	3.52	2.79	2.75	0.37	0.29	0.19	0.04
ARITH. STD. DEV :	2.50	1.60	1.34	0.18	0.25	0.10	0.02
GEOM. MEAN :	2.76	2.19	2.44	0.33	0.24	0.16	0.04
GEOM. STD. DEV. :	2.13	2.38	1.72	1.67	1.86	1.97	1.92
1ST QUARTILE :	1.59	1.50	1.46	0.24	0.15	0.09	0.02
2ND QUARTILE :	2.37	3.05	2.66	0.34	0.18	0.19	0.04
3RD QUARTILE :	4.38	3.88	4.07	0.48	0.32	0.25	0.06

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : KALADAR/CUMULATIVE/LO-VOL #14

PERIOD OF REPORT : JAN 5,82 TO NOV 10,82

	POTASSIM UG/M**3	SODIUM UG/M**3	IRON UG/M**3	ALUMINUM UG/M**3	LEAD UG/M**3	MANGANSE UG/M**3	COPPER UG/M**3
# OF SAMPLES :	7	7	9	9	9	9	9
MAXIMUM :	0.112	0.168	0.152	0.092	0.061	0.009	0.0039
MINIMUM :	0.000	0.065	0.035	0.002	0.004	0.001	0.0007
RANGE :	0.112	0.103	0.116	0.089	0.058	0.008	0.0032
ARITH. MEAN :	0.058	0.100	0.090	0.044	0.034	0.005	0.0021
ARITH. STD. DEV :	0.036	0.039	0.038	0.030	0.023	0.002	0.0010
GEOM. MEAN :	0.093	0.095	0.082	0.031	0.022	0.004	0.0019
GEOM. STD. DEV. :	1.716	1.426	1.592	3.032	3.220	2.181	1.7364
1ST QUARTILE :	0.020	0.070	0.059	0.020	0.006	0.003	0.0013
2ND QUARTILE :	0.048	0.079	0.081	0.034	0.038	0.005	0.0020
3RD QUARTILE :	0.078	0.118	0.102	0.061	0.045	0.005	0.0024

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : KALADAR/CUMULATIVE/LO-VOL #14

PERIOD OF REPORT : JAN 5,82 TO NOV 10,82

	NICKEL	VANADIUM	ZINC	CADMIUM
	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	8	9	9	9
MAXIMUM :	0.00231	0.0024	0.015	0.00146
MINIMUM :	0.00031	0.0005	0.005	0.00005
RANGE :	0.00200	0.0018	0.010	0.00141
ARITH. MEAN :	0.00094	0.0012	0.010	0.00050
ARITH. STD. DEV :	0.00063	0.0007	0.003	0.00045
GEOM. MEAN :	0.00079	0.0010	0.010	0.00033
GEOM. STD. DEV. :	1.86618	1.7115	1.465	2.86411
1ST QUARTILE :	0.00050	0.0007	0.008	0.00018
2ND QUARTILE :	0.00081	0.0009	0.010	0.00029
3RD QUARTILE :	0.00115	0.0013	0.011	0.00061

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : SMITH'S FALLS/CUMULATIVE/LO-VOL #15

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	TOTAL SULPHUR UG/M**3	TOTAL N -NITRATE UG/M**3	CHLORIDE UG/M**3	CALCIUM UG/M**3	MAGNESIM UG/M**3
# OF SAMPLES :	10	10	10	10	10	10	10
MAXIMUM :	15.03	4.81	7.81	0.78	1.09	2.53	1.05
MINIMUM :	1.21	0.89	1.46	0.25	0.08	0.15	0.06
RANGE :	13.82	3.92	6.35	0.53	1.02	2.38	0.98
ARITH. MEAN :	4.84	3.30	3.52	0.50	0.34	0.87	0.31
ARITH. STD. DEV :	3.92	1.17	1.71	0.20	0.29	0.67	0.29
GEOM. MEAN :	3.89	3.03	3.23	0.46	0.27	0.67	0.22
GEOM. STD. DEV. :	1.96	1.64	1.54	1.54	2.01	2.27	2.42
1ST QUARTILE :	2.56	2.37	2.66	0.27	0.19	0.40	0.08
2ND QUARTILE :	3.59	3.55	3.06	0.50	0.25	0.69	0.23
3RD QUARTILE :	5.30	3.96	3.61	0.62	0.30	1.05	0.38

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : SMITH'S FALLS/CUMULATIVE/LO-VOL #15

PERIOD OF REPORT : JAN 5,82 .TO JAN 4,83

	POTASSIM	SODIUM	IRON	ALUMINUM	LEAD	MANGANSE	COPPER
	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	8	7	10	10	10	10	10
MAXIMUM :	0.080	0.217	0.327	0.225	0.097	0.023	0.0033
MINIMUM :	0.038	0.088	0.048	0.011	0.034	0.005	0.0013
RANGE :	0.041	0.130	0.280	0.214	0.064	0.018	0.0021
ARITH. MEAN :	0.064	0.128	0.123	0.087	0.051	0.011	0.0022
ARITH. STD. DEV :	0.017	0.047	0.080	0.055	0.018	0.006	0.0007
GEOM. MEAN :	0.062	0.122	0.105	0.071	0.049	0.010	0.0020
GEOM. STD. DEV. :	1.334	1.398	1.775	2.157	1.348	1.604	1.4098
1ST QUARTILE :	0.049	0.091	0.056	0.062	0.039	0.006	0.0015
2ND QUARTILE :	0.068	0.102	0.113	0.080	0.049	0.010	0.0019
3RD QUARTILE :	0.079	0.148	0.129	0.086	0.053	0.013	0.0027

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : SMITH'S FALLS/CUMULATIVE/LO-VOL #15

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	NICKEL	VANADIUM	ZINC	CADMIUM
	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	10	10	9	8
MAXIMUM :	0.00387	0.0036	0.024	0.00285
MINIMUM :	0.00032	0.0006	0.010	0.00011
RANGE :	0.00355	0.0030	0.014	0.00274
ARITH. MEAN :	0.00157	0.0019	0.016	0.00096
ARITH. STD. DEV :	0.00127	0.0012	0.004	0.00103
GEOM. MEAN :	0.00117	0.0015	0.016	0.00056
GEOM. STD. DEV. :	2.30116	2.1261	1.315	3.10791
1ST QUARTILE :	0.00057	0.0006	0.012	0.00028
2ND QUARTILE :	0.00112	0.0021	0.016	0.00039
3RD QUARTILE :	0.00185	0.0025	0.018	0.00167

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DALHOUSIE MILLS/CUMULATIVE/LO-VOL #16

PERIOD OF REPORT : JAN 12,82 TO JAN 4,83

	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	TOTAL SULPHUR UG/M**3	TOTAL N -NITRATE UG/M**3	CHLORIDE UG/M**3	CALCIUM UG/M**3	MAGNESIM UG/M**3
# OF SAMPLES :	11	9	9	9	9	11	11
MAXIMUM :	19.57	5.64	11.00	1.58	0.88	2.29	0.32
MINIMUM :	0.35	0.75	0.87	0.22	0.16	0.11	0.03
RANGE :	19.22	4.89	10.13	1.36	0.72	2.19	0.29
ARITH. MEAN :	5.08	3.34	4.01	0.70	0.41	0.75	0.09
ARITH. STD. DEV :	6.07	1.41	3.46	0.45	0.25	0.58	0.08
GEOM. MEAN :	2.80	2.97	2.87	0.58	0.35	0.58	0.07
GEOM. STD. DEV. :	3.21	1.79	2.42	1.98	1.78	2.20	1.96
1ST QUARTILE :	1.14	2.55	1.22	0.27	0.23	0.35	0.04
2ND QUARTILE :	2.43	3.13	2.67	0.63	0.26	0.57	0.07
3RD QUARTILE :	5.63	3.91	4.30	0.76	0.44	0.91	0.10

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DALHOUSIE MILLS/CUMULATIVE/LO-VOL #16

PERIOD OF REPORT : JAN 12,82 TO JAN 4,83

	POTASSIM	SODIUM	IRON	ALUMINUM	LEAD	MANGANSE	COPPER
	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	9	9	11	11	11	9	11
MAXIMUM :	0.122	0.514	0.185	0.146	0.118	0.016	0.0064
MINIMUM :	0.013	0.084	0.048	0.017	0.011	0.003	0.0015
RANGE :	0.109	0.430	0.137	0.129	0.107	0.014	0.0049
ARITH. MEAN :	0.074	0.179	0.111	0.073	0.066	0.009	0.0033
ARITH. STD. DEV :	0.039	0.136	0.047	0.039	0.032	0.005	0.0013
GEOM. MEAN :	0.061	0.150	0.101	0.062	0.057	0.008	0.0031
GEOM. STD. DEV. :	2.067	1.766	1.578	1.930	1.913	1.883	1.4765
1ST QUARTILE :	0.040	0.097	0.064	0.034	0.047	0.004	0.0024
2ND QUARTILE :	0.063	0.129	0.093	0.072	0.055	0.008	0.0027
3RD QUARTILE :	0.101	0.151	0.147	0.096	0.080	0.011	0.0038

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DALHOUSIE MILLS/CUMULATIVE/LO-VOL #16

PERIOD OF REPORT : JAN 12,82 TO JAN 4,83

	NICKEL	VANADIUM	ZINC	CADMIUM
	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	10	11	11	11
MAXIMUM :	0.00464	0.0107	0.046	0.00182
MINIMUM :	0.00037	0.0007	0.009	0.00016
RANGE :	0.00427	0.0100	0.037	0.00166
ARITH. MEAN :	0.00258	0.0040	0.021	0.00071
ARITH. STD. DEV :	0.00143	0.0038	0.012	0.00058
GEOM. MEAN :	0.00198	0.0023	0.019	0.00051
GEOM. STD. DEV. :	2.50297	3.1229	1.741	2.41109
1ST QUARTILE :	0.00108	0.0007	0.011	0.00018
2ND QUARTILE :	0.00282	0.0014	0.016	0.00059
3RD QUARTILE :	0.00342	0.0066	0.029	0.00085

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : GOLDEN LAKE/CUMULATIVE/LO-VOL #17

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	TOTAL SULPHUR UG/M**3	TOTAL N -NITRATE UG/M**3	CHLORIDE UG/M**3	CALCIUM UG/M**3	MAGNESIM UG/M**3
# OF SAMPLES :	12	10	10	9	10	12	12
MAXIMUM :	10.16	5.14	6.25	0.55	0.29	0.31	0.09
MINIMUM :	0.45	0.68	1.28	0.05	0.06	0.02	0.01
RANGE :	9.71	4.46	4.97	0.51	0.22	0.29	0.07
ARITH. MEAN :	4.17	2.88	3.21	0.32	0.18	0.19	0.05
ARITH. STD. DEV :	3.46	1.21	1.76	0.17	0.07	0.08	0.02
GEOM. MEAN :	2.87	2.57	2.83	0.27	0.16	0.16	0.05
GEOM. STD. DEV. :	2.64	1.75	1.69	2.16	1.61	2.03	1.61
1ST QUARTILE :	1.49	1.88	1.90	0.20	0.11	0.15	0.04
2ND QUARTILE :	3.54	2.97	2.49	0.30	0.16	0.19	0.05
3RD QUARTILE :	6.46	3.47	3.80	0.39	0.22	0.24	0.06

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : GOLDEN LAKE/CUMULATIVE/LO-VOL #17

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83 PAGE : 2

	POTASSIM UG/M**3	SODIUM UG/M**3	IRON UG/M**3	ALUMINUM UG/M**3	LEAD UG/M**3	MANGANSE UG/M**3	COPPER UG/M**3
# OF SAMPLES :	10	10	12	12	12	12	11
MAXIMUM :	0.081	0.303	0.144	0.114	0.049	0.009	0.0048
MINIMUM :	0.032	0.087	0.024	0.013	0.016	0.000	0.0011
RANGE :	0.049	0.216	0.119	0.101	0.033	0.008	0.0037
ARITH. MEAN :	0.058	0.160	0.084	0.044	0.029	0.004	0.0027
ARITH. STD. DEV :	0.016	0.066	0.036	0.027	0.010	0.002	0.0011
GEOM. MEAN :	0.056	0.149	0.076	0.038	0.028	0.004	0.0024
GEOM. STD. DEV. :	1.358	1.474	1.635	1.805	1.424	2.316	1.5502
1ST QUARTILE :	0.043	0.104	0.059	0.029	0.021	0.002	0.0017
2ND QUARTILE :	0.059	0.144	0.075	0.036	0.028	0.004	0.0023
3RD QUARTILE :	0.068	0.186	0.115	0.056	0.037	0.006	0.0034

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : GOLDEN LAKE/CUMULATIVE/LO-VOL #17

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	NICKEL	VANADIUM	ZINC	CADMIUM
	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	12	12	12	12
MAXIMUM :	0.00338	0.0033	0.029	0.00241
MINIMUM :	0.00032	0.0006	0.002	0.00020
RANGE :	0.00306	0.0027	0.027	0.00221
ARITH. MEAN :	0.00120	0.0013	0.011	0.00083
ARITH. STD. DEV :	0.00101	0.0010	0.008	0.00064
GEOM. MEAN :	0.00086	0.0010	0.009	0.00063
GEOM. STD. DEV. :	2.31592	1.7721	1.994	2.18445
1ST QUARTILE :	0.00044	0.0007	0.006	0.00033
2ND QUARTILE :	0.00065	0.0009	0.010	0.00069
3RD QUARTILE :	0.00199	0.0011	0.014	0.00109

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/CUMULATIVE/LO-VOL #20

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83 PAGE : 1

	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	TOTAL SULPHUR UG/M**3	TOTAL N -NITRATE UG/M**3	CHLORIDE UG/M**3	CALCIUM UG/M**3	MAGNESIM UG/M**3
# OF SAMPLES :	12	10	10	11	11	12	12
MAXIMUM :	10.92	4.57	6.35	0.61	0.29	0.40	0.11
MINIMUM :	0.71	2.02	1.11	0.18	0.12	0.06	0.02
RANGE :	10.21	2.54	5.24	0.43	0.17	0.35	0.09
ARITH. MEAN :	3.83	3.38	3.28	0.42	0.19	0.18	0.05
ARITH. STD. DEV :	3.16	0.86	1.58	0.13	0.06	0.09	0.02
GEOM. MEAN :	2.73	3.28	2.93	0.40	0.19	0.16	0.05
GEOM. STD. DEV. :	2.46	1.32	1.67	1.42	1.34	1.64	1.51
1ST QUARTILE :	1.47	2.47	2.13	0.30	0.14	0.13	0.04
2ND QUARTILE :	2.64	3.46	2.79	0.42	0.18	0.16	0.05
3RD QUARTILE :	5.61	3.91	3.96	0.53	0.23	0.22	0.06

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/CUMULATIVE/LO-VOL #20

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	POTASSIM	SODIUM	IRON	ALUMINUM	LEAD	MANGANSE	COPPER
	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	8	10	12	12	12	12	12
MAXIMUM :	0.061	0.186	0.245	0.188	0.033	0.007	0.0051
MINIMUM :	0.028	0.066	0.048	0.015	0.012	0.002	0.0003
RANGE :	0.033	0.121	0.197	0.172	0.022	0.005	0.0047
ARITH. MEAN :	0.039	0.117	0.097	0.065	0.023	0.004	0.0020
ARITH. STD. DEV :	0.012	0.039	0.059	0.049	0.006	0.001	0.0016
GEOM. MEAN :	0.038	0.111	0.084	0.051	0.022	0.003	0.0015
GEOM. STD. DEV. :	1.319	1.390	1.698	2.040	1.317	1.460	2.2368
1ST QUARTILE :	0.030	0.084	0.052	0.030	0.020	0.002	0.0010
2ND QUARTILE :	0.035	0.107	0.079	0.050	0.021	0.003	0.0014
3RD QUARTILE :	0.047	0.135	0.117	0.087	0.025	0.004	0.0027

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/CUMULATIVE/LO-VOL #20

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	NICKEL	VANADIUM	ZINC	CADMIUM
	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	12	12	12	12
MAXIMUM :	0.00172	0.0009	0.016	0.00118
MINIMUM :	0.00031	0.0006	0.006	0.00015
RANGE :	0.00140	0.0002	0.010	0.00103
ARITH. MEAN :	0.00065	0.0007	0.011	0.00046
ARITH. STD. DEV :	0.00051	0.0001	0.003	0.00028
GEOM. MEAN :	0.00052	0.0007	0.010	0.00039
GEOM. STD. DEV. :	1.87998	1.0948	1.337	1.78604
1ST QUARTILE :	0.00033	0.0006	0.009	0.00029
2ND QUARTILE :	0.00035	0.0007	0.010	0.00035
3RD QUARTILE :	0.00071	0.0007	0.013	0.00063

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : MCKELLAR/CUMULATIVE/LO-VOL #21

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	TOTAL SULPHUR UG/M**3	TOTAL N -NITRATE UG/M**3	CHLORIDE UG/M**3	CALCIUM UG/M**3	MAGNESIM UG/M**3
# OF SAMPLES :	11	11	10	11	11	12	12
MAXIMUM :	12.35	4.08	7.22	1.00	0.47	0.39	0.08
MINIMUM :	0.38	1.45	0.72	0.16	0.06	0.03	0.02
RANGE :	11.97	2.64	6.50	0.84	0.41	0.36	0.06
ARITH. MEAN :	3.39	2.62	2.58	0.44	0.19	0.16	0.04
ARITH. STD. DEV :	3.27	0.90	1.83	0.26	0.11	0.08	0.02
GEOM. MEAN :	2.43	2.47	2.16	0.37	0.17	0.14	0.04
GEOM. STD. DEV. :	2.39	1.43	1.85	1.83	1.73	1.75	1.45
1ST QUARTILE :	1.57	1.65	1.45	0.19	0.11	0.14	0.03
2ND QUARTILE :	2.24	2.37	2.13	0.37	0.17	0.15	0.03
3RD QUARTILE :	3.65	3.25	2.55	0.58	0.21	0.17	0.04

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : MCKELLAR/CUMULATIVE/LO-VOL #21

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	POTASSIM	SODIUM	IRON	ALUMINUM	LEAD	MANGANSE	COPPER
	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	11	11	12	12	12	12	12
MAXIMUM :	0.179	0.513	0.129	0.096	0.037	0.008	0.0044
MINIMUM :	0.017	0.048	0.035	0.017	0.007	0.001	0.0003
RANGE :	0.163	0.465	0.094	0.078	0.030	0.008	0.0040
ARITH. MEAN :	0.075	0.157	0.065	0.035	0.021	0.003	0.0021
ARITH. STD. DEV :	0.058	0.133	0.025	0.022	0.010	0.002	0.0013
GEOM. MEAN :	0.057	0.122	0.061	0.031	0.019	0.003	0.0017
GEOM. STD. DEV. :	2.213	2.033	1.414	1.609	1.687	2.021	2.0841
1ST QUARTILE :	0.026	0.058	0.049	0.022	0.013	0.002	0.0012
2ND QUARTILE :	0.052	0.104	0.059	0.027	0.021	0.003	0.0017
3RD QUARTILE :	0.105	0.176	0.080	0.036	0.028	0.005	0.0030

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : MCKELLAR/CUMULATIVE/LO-VOL #21

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	NICKEL	VANADIUM	ZINC	CADMIUM
	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	12	12	12	12
MAXIMUM :	0.00318	0.0012	0.022	0.00078
MINIMUM :	0.00034	0.0006	0.003	0.00013
RANGE :	0.00285	0.0006	0.019	0.00066
ARITH. MEAN :	0.00070	0.0008	0.011	0.00043
ARITH. STD. DEV :	0.00081	0.0001	0.006	0.00026
GEOM. MEAN :	0.00052	0.0008	0.009	0.00035
GEOM. STD. DEV. :	1.93825	1.1857	1.863	2.01157
1ST QUARTILE :	0.00036	0.0007	0.006	0.00018
2ND QUARTILE :	0.00040	0.0008	0.010	0.00034
3RD QUARTILE :	0.00052	0.0008	0.015	0.00070

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : MATTAWA/CUMULATIVE/LO-VOL #22

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83 PAGE : 1

	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	TOTAL SULPHUR UG/M**3	TOTAL N -NITRATE UG/M**3	CHLORIDE UG/M**3	CALCIUM UG/M**3	MAGNESIM UG/M**3
# OF SAMPLES :	12	12	12	12	11	12	12
MAXIMUM :	15.72	4.40	8.96	0.70	0.33	0.39	0.24
MINIMUM :	0.50	0.99	1.01	0.09	0.07	0.06	0.04
RANGE :	15.22	3.41	7.95	0.60	0.26	0.34	0.20
ARITH. MEAN :	3.22	2.67	2.50	0.28	0.20	0.18	0.13
ARITH. STD. DEV :	4.30	0.95	2.23	0.17	0.08	0.09	0.07
GEOM. MEAN :	1.90	2.50	2.01	0.24	0.18	0.16	0.11
GEOM. STD. DEV. :	2.68	1.50	1.86	1.83	1.54	1.69	1.86
1ST QUARTILE :	1.11	2.02	1.30	0.16	0.14	0.10	0.06
2ND QUARTILE :	1.27	2.65	1.68	0.27	0.16	0.19	0.14
3RD QUARTILE :	3.87	3.36	2.60	0.33	0.22	0.20	0.17

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : MATTAWA/CUMULATIVE/LO-VOL #22

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	POTASSIM	SODIUM	IRON	ALUMINUM	LEAD	MANGANSE	COPPER
	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	10	11	12	12	12	12	12
MAXIMUM :	0.089	0.412	0.651	0.787	0.046	0.022	0.0050
MINIMUM :	0.013	0.057	0.060	0.022	0.007	0.003	0.0008
RANGE :	0.076	0.354	0.591	0.766	0.039	0.019	0.0042
ARITH. MEAN :	0.061	0.176	0.308	0.225	0.030	0.009	0.0025
ARITH. STD. DEV :	0.022	0.119	0.195	0.222	0.011	0.005	0.0013
GEOM. MEAN :	0.055	0.146	0.244	0.132	0.028	0.008	0.0022
GEOM. STD. DEV. :	1.737	1.876	2.154	3.240	1.650	1.757	1.7174
1ST QUARTILE :	0.048	0.085	0.130	0.047	0.025	0.005	0.0015
2ND QUARTILE :	0.065	0.116	0.335	0.200	0.030	0.010	0.0021
3RD QUARTILE :	0.068	0.216	0.412	0.319	0.040	0.011	0.0035

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : MATTAWA/CUMULATIVE/LO-VOL #22

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	NICKEL	VANADIUM	ZINC	CADMIUM
	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	12	12	12	11
MAXIMUM :	0.00235	0.0021	0.026	0.00189
MINIMUM :	0.00032	0.0006	0.002	0.00002
RANGE :	0.00203	0.0015	0.024	0.00187
ARITH. MEAN :	0.00073	0.0009	0.015	0.00047
ARITH. STD. DEV :	0.00058	0.0004	0.007	0.00054
GEOM. MEAN :	0.00060	0.0008	0.013	0.00027
GEOM. STD. DEV. :	1.82667	1.4376	2.014	3.37250
1ST QUARTILE :	0.00036	0.0007	0.010	0.00010
2ND QUARTILE :	0.00059	0.0007	0.015	0.00027
3RD QUARTILE :	0.00077	0.0008	0.019	0.00058

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : KILLARNEY/CUMULATIVE/LO-VOL #23

PERIOD OF REPORT : JAN 13,82 TO JAN 5,83

	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	TOTAL SULPHUR UG/M**3	TOTAL N -NITRATE UG/M**3	CHLORIDE UG/M**3	CALCIUM UG/M**3	MAGNESIN UG/M**3
# OF SAMPLES :	13	10	10	11	10	12	12
MAXIMUM :	17.91	5.21	9.96	1.12	0.24	0.31	0.08
MINIMUM :	0.74	1.41	0.84	0.21	0.02	0.01	0.02
RANGE :	17.17	3.80	9.12	0.91	0.22	0.30	0.06
ARITH. MEAN :	6.11	3.11	3.81	0.49	0.17	0.19	0.05
ARITH. STD. DEV :	6.07	1.08	3.27	0.25	0.06	0.08	0.02
GEOM. MEAN :	3.47	2.94	2.76	0.44	0.15	0.15	0.05
GEOM. STD. DEV. :	3.18	1.44	2.32	1.61	1.97	2.68	1.48
1ST QUARTILE :	1.25	2.32	1.45	0.28	0.14	0.16	0.05
2ND QUARTILE :	1.99	3.02	2.31	0.41	0.18	0.20	0.05
3RD QUARTILE :	9.93	3.49	5.09	0.60	0.20	0.25	0.06

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : KILLARNEY/CUMULATIVE/LO-VOL #23

PERIOD OF REPORT : JAN 13,82 TO JAN 5,83 PAGE : 2

	POTASSIM	SODIUM	IRON	ALUMINUM	LEAD	MANGANSE	COPPER
	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	11	12	13	13	12	13	12
MAXIMUM :	0.090	0.369	0.159	0.119	0.036	0.007	0.0055
MINIMUM :	0.034	0.070	0.055	0.027	0.007	0.003	0.0008
RANGE :	0.056	0.299	0.105	0.092	0.029	0.004	0.0046
ARITH. MEAN :	0.063	0.165	0.094	0.049	0.027	0.004	0.0023
ARITH. STD. DEV :	0.019	0.085	0.034	0.024	0.009	0.001	0.0014
GEOM. MEAN :	0.060	0.148	0.089	0.045	0.025	0.004	0.0020
GEOM. STD. DEV. :	1.396	1.614	1.396	1.469	1.584	1.318	1.8284
1ST QUARTILE :	0.042	0.102	0.070	0.035	0.022	0.003	0.0012
2ND QUARTILE :	0.060	0.150	0.083	0.041	0.030	0.004	0.0019
3RD QUARTILE :	0.078	0.196	0.098	0.056	0.033	0.005	0.0034

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : KILLARNEY/CUMULATIVE/LO-VOL #23

PERIOD OF REPORT : JAN 13,82 TO JAN 5,83

	NICKEL	VANADIUM	ZINC	CADMIUM
	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	11	13	12	12
MAXIMUM :	0.00455	0.0017	0.018	0.00156
MINIMUM :	0.00033	0.0005	0.007	0.00012
RANGE :	0.00422	0.0012	0.011	0.00145
ARITH. MEAN :	0.00101	0.0009	0.012	0.00060
ARITH. STD. DEV :	0.00121	0.0003	0.004	0.00043
GEOM. MEAN :	0.00071	0.0008	0.011	0.00047
GEOM. STD. DEV. :	2.11631	1.4099	1.358	2.16332
1ST QUARTILE :	0.00039	0.0007	0.009	0.00029
2ND QUARTILE :	0.00054	0.0008	0.012	0.00050
3RD QUARTILE :	0.00095	0.0009	0.014	0.00089

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : GOWGANDA/CUMULATIVE/LO-VOL #25

PERIOD OF REPORT : JAN 7,82 TO JAN 4,83

	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	TOTAL SULPHUR UG/M**3	TOTAL N -NITRATE UG/M**3	CHLORIDE UG/M**3	CALCIUM UG/M**3	MAGNESIM UG/M**3
# OF SAMPLES :	12	12	11	12	12	13	13
MAXIMUM :	13.22	3.47	7.37	0.71	0.28	0.28	0.12
MINIMUM :	0.69	1.40	0.81	0.08	0.02	0.05	0.03
RANGE :	12.53	2.07	6.56	0.63	0.26	0.23	0.09
ARITH. MEAN :	4.10	2.44	2.95	0.28	0.14	0.13	0.06
ARITH. STD. DEV :	3.78	0.66	1.97	0.17	0.07	0.06	0.03
GEOM. MEAN :	2.97	2.36	2.48	0.24	0.12	0.12	0.06
GEOM. STD. DEV. :	2.28	1.33	1.84	1.84	1.97	1.59	1.59
1ST QUARTILE :	1.98	2.02	1.72	0.18	0.10	0.09	0.04
2ND QUARTILE :	2.75	2.35	2.23	0.26	0.14	0.11	0.05
3RD QUARTILE :	4.52	3.01	3.11	0.32	0.17	0.14	0.08

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : GOWGANDA/CUMULATIVE/LO-VOL #25

PERIOD OF REPORT : JAN 7,82 TO JAN 4,83

	POTASSIM	SODIUM	IRON	ALUMINUM	LEAD	MANGANSE	COPPER
	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	12	12	13	13	12	13	13
MAXIMUM :	0.100	0.316	0.326	0.179	0.037	0.013	0.0158
MINIMUM :	0.019	0.062	0.026	0.011	0.008	0.001	0.0006
RANGE :	0.082	0.255	0.300	0.168	0.029	0.012	0.0152
ARITH. MEAN :	0.049	0.134	0.126	0.080	0.020	0.005	0.0043
ARITH. STD. DEV :	0.027	0.071	0.092	0.063	0.008	0.003	0.0041
GEOM. MEAN :	0.043	0.121	0.097	0.054	0.019	0.004	0.0030
GEOM. STD. DEV. :	1.710	1.592	2.177	2.818	1.477	2.262	2.4438
1ST QUARTILE :	0.028	0.084	0.063	0.021	0.015	0.002	0.0018
2ND QUARTILE :	0.044	0.109	0.083	0.063	0.020	0.003	0.0030
3RD QUARTILE :	0.057	0.161	0.160	0.124	0.025	0.006	0.0040

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : GOWGANDA/CUMULATIVE/LO-VOL #25

PERIOD OF REPORT : JAN 7,82 TO JAN 4,83

	NICKEL	VANADIUM	ZINC	CADMIUM
	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	13	13	13	12
MAXIMUM :	0.00176	0.0016	0.023	0.00241
MINIMUM :	0.00031	0.0006	0.005	0.00016
RANGE :	0.00146	0.0010	0.017	0.00225
ARITH. MEAN :	0.00069	0.0007	0.013	0.00119
ARITH. STD. DEV :	0.00045	0.0003	0.005	0.00082
GEOM. MEAN :	0.00058	0.0007	0.012	0.00085
GEOM. STD. DEV. :	1.79811	1.3188	1.573	2.59434
1ST QUARTILE :	0.00035	0.0006	0.009	0.00041
2ND QUARTILE :	0.00043	0.0006	0.013	0.00112
3RD QUARTILE :	0.00079	0.0007	0.016	0.00185

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : MOONBEAM/CUMULATIVE/LO-VOL #27

PERIOD OF REPORT : JAN 5,82 TO JAN 6,83

	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	TOTAL SULPHUR UG/M**3	TOTAL N -NITRATE UG/M**3	CHLORIDE UG/M**3	CALCIUM UG/M**3	MAGNESIM UG/M**3
# OF SAMPLES :	12	10	10	9	9	12	12
MAXIMUM :	5.37	5.19	3.18	0.35	0.30	0.62	0.14
MINIMUM :	0.25	0.20	0.19	0.02	0.10	0.09	0.03
RANGE :	5.12	4.99	2.98	0.33	0.20	0.53	0.11
ARITH. MEAN :	2.24	2.07	1.87	0.16	0.16	0.22	0.06
ARITH. STD. DEV :	1.79	1.37	1.05	0.11	0.06	0.16	0.03
GEOM. MEAN :	1.48	1.61	1.46	0.12	0.15	0.18	0.05
GEOM. STD. DEV. :	2.89	2.37	2.41	2.37	1.43	1.88	1.59
1ST QUARTILE :	0.64	1.21	0.93	0.08	0.11	0.11	0.04
2ND QUARTILE :	1.78	1.68	1.82	0.14	0.14	0.14	0.05
3RD QUARTILE :	4.03	2.50	2.82	0.17	0.18	0.32	0.08

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : MOONBEAM/CUMULATIVE/LO-VOL #27

PERIOD OF REPORT : JAN 5,82 TO JAN 6,83

	POTASSIM	SODIUM	IRON	ALUMINUM	LEAD	MANGANSE	COPPER
	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	10	11	12	12	12	12	11
MAXIMUM :	0.089	0.498	0.193	0.154	0.016	0.006	0.0030
MINIMUM :	0.002	0.000	0.019	0.010	0.002	0.000	0.0003
RANGE :	0.087	0.498	0.174	0.145	0.015	0.006	0.0027
ARITH. MEAN :	0.043	0.163	0.066	0.040	0.011	0.003	0.0016
ARITH. STD. DEV :	0.023	0.140	0.045	0.040	0.004	0.002	0.0010
GEOM. MEAN :	0.032	0.167	0.056	0.029	0.010	0.002	0.0012
GEOM. STD. DEV. :	2.839	2.078	1.781	2.082	1.892	2.031	2.3918
1ST QUARTILE :	0.026	0.055	0.038	0.019	0.010	0.002	0.0004
2ND QUARTILE :	0.042	0.107	0.059	0.026	0.012	0.002	0.0016
3RD QUARTILE :	0.051	0.213	0.077	0.035	0.014	0.003	0.0022

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : MOONBEAM/CUMULATIVE/LO-VOL 827

PERIOD OF REPORT : JAN 5,82 TO JAN 6,83

	NICKEL	VANADIUM	ZINC	CADMIUM
	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	12	11	12	9
MAXIMUM :	0.00420	0.0016	0.018	0.00127
MINIMUM :	0.00024	0.0005	0.001	0.00004
RANGE :	0.00396	0.0011	0.017	0.00123
ARITH. MEAN :	0.00091	0.0007	0.010	0.00058
ARITH. STD. DEV :	0.00114	0.0003	0.005	0.00033
GEOM. MEAN :	0.00057	0.0007	0.008	0.00045
GEOM. STD. DEV. :	2.47654	1.3751	2.233	2.63464
1ST QUARTILE :	0.00029	0.0006	0.007	0.00041
2ND QUARTILE :	0.00039	0.0006	0.010	0.00056
3RD QUARTILE :	0.00126	0.0007	0.013	0.00061

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : ATTAWAPISKAT/CUMULATIVE/LO-VOL #28

PERIOD OF REPORT : JAN 9,82 TO JAN 16,83

	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	TOTAL SULPHUR UG/M**3	TOTAL N -NITRATE UG/M**3	CHLORIDE UG/M**3	CALCIUM UG/M**3	MAGNESIM UG/M**3
# OF SAMPLES :	4	4	4	4	3	4	4
MAXIMUM :	3.16	3.63	2.60	0.78	0.55	0.73	0.24
MINIMUM :	0.47	1.14	0.84	0.07	0.27	0.10	0.04
RANGE :	2.69	2.49	1.76	0.70	0.28	0.63	0.20
ARITH. MEAN :	1.72	2.39	1.66	0.27	0.37	0.27	0.11
ARITH. STD. DEV :	1.24	1.15	0.73	0.34	0.16	0.31	0.09
GEOM. MEAN :	1.34	2.17	1.53	0.16	0.35	0.19	0.09
GEOM. STD. DEV. :	2.38	1.70	1.60	2.97	1.50	2.50	2.12
1ST QUARTILE :	0.70	1.44	1.14	0.08	*******	0.11	0.05
2ND QUARTILE :	1.62	2.40	1.60	0.11	*******	0.13	0.08
3RD QUARTILE :	2.74	3.34	2.17	0.46	*******	0.43	0.17

***** : INSUFFICIENT DATA

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : ATTAWAPISKAT/CUMULATIVE/LO-VOL #28

PERIOD OF REPORT : JAN 9,82 TO JAN 16,83

	POTASSIM	SODIUM	IRON	ALUMINUM	LEAD	MANGANSE	COPPER
	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	1	2	4	4	4	4	3
MAXIMUM :	0.059	0.310	0.099	0.051	0.020	0.005	0.0024
MINIMUM :	0.059	0.170	0.023	0.007	0.010	0.002	0.0005
RANGE :	0.000	0.140	0.076	0.045	0.010	0.004	0.0019
ARITH. MEAN :	*******	0.240	0.048	0.021	0.015	0.003	0.0014
ARITH. STD. DEV :	*******	0.099	0.035	0.020	0.006	0.002	0.0010
GEOM. MEAN :	*******	0.230	0.041	0.016	0.014	0.003	0.0012
GEOM. STD. DEV. :	*******	1.528	1.916	2.332	1.483	1.862	2.1492
1ST QUARTILE :	*******	*******	0.025	0.010	0.010	0.002	*********
2ND QUARTILE :	*******	*******	0.036	0.014	0.015	0.003	*********
3RD QUARTILE :	*******	*******	0.072	0.033	0.020	0.005	*********

***** : INSUFFICIENT DATA

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : ATTAWAPISKAT/CUMULATIVE/LO-VOL #28

PERIOD OF REPORT : JAN 9,82 TO JAN 16,83

	NICKEL	VANADIUM	ZINC	CADMIUM
	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	4	4	4	4
MAXIMUM :	0.00319	0.0019	0.025	0.00098
MINIMUM :	0.00027	0.0005	0.007	0.00011
RANGE :	0.00292	0.0014	0.018	0.00087
ARITH. MEAN :	0.00104	0.0010	0.017	0.00046
ARITH. STD. DEV :	0.00143	0.0006	0.008	0.00037
GEOM. MEAN :	0.00057	0.0009	0.016	0.00035
GEOM. STD. DEV. :	3.18497	1.7242	1.761	2.50522
1ST QUARTILE :	0.00029	0.0006	0.012	0.00021
2ND QUARTILE :	0.00035	0.0008	0.019	0.00038
3RD QUARTILE :	0.00178	0.0014	0.023	0.00071

***** : INSUFFICIENT DATA

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : NAKINA/CUMULATIVE/LO-VOL #30

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	TOTAL SULPHUR UG/M**3	TOTAL N -NITRATE UG/M**3	CHLORIDE UG/M**3	CALCIUM UG/M**3	MAGNESIM UG/M**3
# OF SAMPLES :	12	10	10	10	11	13	13
MAXIMUM :	3.67	2.27	2.45	0.29	0.23	3.22	0.76
MINIMUM :	0.24	0.99	0.48	0.01	0.08	0.05	0.03
RANGE :	3.43	1.28	1.97	0.27	0.15	3.17	0.73
ARITH. MEAN :	1.38	1.62	1.28	0.11	0.18	0.90	0.20
ARITH. STD. DEV :	1.22	0.42	0.77	0.08	0.05	1.04	0.23
GEOM. MEAN :	0.94	1.57	1.08	0.08	0.17	0.47	0.13
GEOM. STD. DEV. :	2.58	1.31	1.85	2.63	1.37	3.52	2.65
1ST QUARTILE :	0.43	1.23	0.58	0.03	0.14	0.25	0.06
2ND QUARTILE :	1.00	1.66	1.10	0.12	0.19	0.39	0.09
3RD QUARTILE :	2.25	1.82	1.74	0.15	0.22	0.91	0.18

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : NAKINA/CUMULATIVE/LO-VOL #30

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83 PAGE : 2

	POTASSIM	SODIUM	IRON	ALUMINUM	LEAD	MANGANSE	COPPER
	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	12	12	13	13	13	13	13
MAXIMUM :	0.118	0.226	0.608	0.290	0.029	0.015	0.0077
MINIMUM :	0.002	0.070	0.016	0.022	0.006	0.002	0.0007
RANGE :	0.116	0.156	0.592	0.267	0.022	0.013	0.0070
ARITH. MEAN :	0.050	0.116	0.266	0.089	0.017	0.006	0.0020
ARITH. STD. DEV :	0.030	0.047	0.180	0.088	0.006	0.004	0.0018
GEOM. MEAN :	0.037	0.109	0.200	0.060	0.015	0.005	0.0015
GEOM. STD. DEV. :	2.996	1.447	2.543	2.442	1.495	1.869	1.9456
1ST QUARTILE :	0.032	0.080	0.144	0.025	0.013	0.003	0.0009
2ND QUARTILE :	0.048	0.106	0.209	0.044	0.015	0.004	0.0014
3RD QUARTILE :	0.062	0.137	0.289	0.100	0.017	0.007	0.0020

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : NAKINA/CUMULATIVE/LO-VOL #30

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	NICKEL	VANADIUM	ZINC	CADMIUM
	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	13	12	13	12
MAXIMUM :	0.00187	0.0008	0.012	0.00051
MINIMUM :	0.00030	0.0005	0.003	0.00003
RANGE :	0.00157	0.0003	0.009	0.00048
ARITH. MEAN :	0.00068	0.0007	0.006	0.00020
ARITH. STD. DEV :	0.00056	0.0001	0.002	0.00018
GEOM. MEAN :	0.00053	0.0007	0.006	0.00014
GEOM. STD. DEV. :	1.99238	1.1347	1.469	2.62197
1ST QUARTILE :	0.00034	0.0006	0.004	0.00007
2ND QUARTILE :	0.00036	0.0007	0.005	0.00016
3RD QUARTILE :	0.00076	0.0007	0.007	0.00031

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORION/CUMULATIVE/LO-VOL #31

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83 PAGE : 1

	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	TOTAL SULPHUR UG/M**3	TOTAL N -NITRATE UG/M**3	CHLORIDE UG/M**3	CALCIUM UG/M**3	MAGNESIM UG/M**3
# OF SAMPLES :	8	9	8	10	10	10	10
MAXIMUM :	3.24	2.41	2.08	0.30	0.23	0.37	0.41
MINIMUM :	0.15	0.41	0.24	0.01	0.07	0.06	0.03
RANGE :	3.09	2.00	1.84	0.29	0.16	0.31	0.38
ARITH. MEAN :	1.01	1.36	0.98	0.12	0.12	0.14	0.09
ARITH. STD. DEV :	1.05	0.64	0.67	0.09	0.05	0.09	0.11
GEOM. MEAN :	0.63	1.19	0.76	0.08	0.11	0.13	0.06
GEOM. STD. DEV. :	2.89	1.81	2.27	3.14	1.44	1.66	2.14
1ST QUARTILE :	0.28	0.89	0.42	0.04	0.08	0.08	0.03
2ND QUARTILE :	0.66	1.31	0.85	0.12	0.10	0.12	0.06
3RD QUARTILE :	1.41	1.46	1.49	0.15	0.11	0.16	0.07

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORION/CUMULATIVE/LO-VOL #31

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	POTASSIM UG/M**3	SODIUM UG/M**3	IRON UG/M**3	ALUMINUM UG/M**3	LEAD UG/M**3	MANGANSE UG/M**3	COPPER UG/M**3
# OF SAMPLES :	9	10	10	10	10	10	10
MAXIMUM :	0.131	0.215	0.311	0.415	0.015	0.012	0.0020
MINIMUM :	0.013	0.000	0.037	0.013	0.003	0.000	0.0003
RANGE :	0.118	0.215	0.274	0.402	0.011	0.012	0.0016
ARITH. MEAN :	0.056	0.101	0.077	0.084	0.008	0.004	0.0011
ARITH. STD. DEV :	0.036	0.059	0.083	0.118	0.004	0.004	0.0005
GEOM. MEAN :	0.045	0.130	0.061	0.053	0.007	0.003	0.0010
GEOM. STD. DEV. :	2.084	1.599	1.833	2.465	1.696	2.676	1.7386
1ST QUARTILE :	0.024	0.060	0.044	0.030	0.004	0.002	0.0007
2ND QUARTILE :	0.051	0.110	0.051	0.058	0.009	0.002	0.0011
3RD QUARTILE :	0.066	0.120	0.060	0.069	0.010	0.003	0.0014

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORION/CUMULATIVE/LO-VOL #31

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	NICKEL	VANADIUM	ZINC	CADMIUM
	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	10	9	10	10
MAXIMUM :	0.00239	0.0010	0.009	0.00044
MINIMUM :	0.00029	0.0006	0.001	0.00003
RANGE :	0.00210	0.0004	0.008	0.00041
ARITH. MEAN :	0.00074	0.0007	0.005	0.00019
ARITH. STD. DEV :	0.00064	0.0001	0.003	0.00016
GEOM. MEAN :	0.00058	0.0007	0.004	0.00012
GEOM. STD. DEV. :	1.95655	1.1955	2.277	2.98554
1ST QUARTILE :	0.00033	0.0006	0.002	0.00003
2ND QUARTILE :	0.00047	0.0007	0.005	0.00018
3RD QUARTILE :	0.00084	0.0008	0.007	0.00027

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : EAR FALLS/CUMULATIVE/LO-VOL #35

PERIOD OF REPORT : JAN 12,82 TO JAN 4,83

	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	TOTAL SULPHUR UG/M**3	TOTAL N -NITRATE UG/M**3	CHLORIDE UG/M**3	CALCIUM UG/M**3	MAGNESIM UG/M**3
# OF SAMPLES :	9	9	8	9	9	10	10
MAXIMUM :	2.45	2.16	1.72	0.40	0.41	0.27	0.15
MINIMUM :	0.01	0.01	0.02	0.01	0.04	0.02	0.03
RANGE :	2.44	2.15	1.71	0.39	0.37	0.26	0.12
ARITH. MEAN :	1.07	1.35	1.02	0.16	0.17	0.15	0.06
ARITH. STD. DEV :	0.81	0.65	0.58	0.11	0.11	0.09	0.04
GEOM. MEAN :	0.61	0.82	0.64	0.12	0.14	0.12	0.05
GEOM. STD. DEV. :	4.99	5.67	4.54	2.63	1.90	2.22	1.75
1ST QUARTILE :	0.51	0.97	0.62	0.07	0.10	0.08	0.03
2ND QUARTILE :	0.59	1.48	1.14	0.15	0.15	0.12	0.05
3RD QUARTILE :	1.59	1.63	1.45	0.16	0.17	0.21	0.07

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : EAR FALLS/CUMULATIVE/LO-VOL #35

PERIOD OF REPORT : JAN 12,82 TO JAN 4,83

	POTASSIM	SODIUM	IRON	ALUMINUM	LEAD	MANGANSE	COPPER
	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	6	9	9	9	10	10	10
MAXIMUM :	0.076	0.273	0.168	0.168	0.029	0.011	0.0032
MINIMUM :	0.004	0.004	0.042	0.023	0.001	0.000	0.0004
RANGE :	0.073	0.270	0.127	0.145	0.028	0.011	0.0028
ARITH. MEAN :	0.037	0.144	0.086	0.057	0.015	0.004	0.0014
ARITH. STD. DEV :	0.028	0.083	0.044	0.047	0.009	0.003	0.0010
GEOM. MEAN :	0.026	0.099	0.078	0.046	0.011	0.003	0.0011
GEOM. STD. DEV. :	3.044	3.683	1.589	1.888	2.522	2.728	2.0925
1ST QUARTILE :	0.010	0.104	0.056	0.030	0.006	0.001	0.0005
2ND QUARTILE :	0.032	0.124	0.066	0.035	0.016	0.003	0.0009
3RD QUARTILE :	0.049	0.146	0.084	0.047	0.021	0.004	0.0021

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : EAR FALLS/CUMULATIVE/LO-VOL #35

PERIOD OF REPORT : JAN 12,82 TO JAN 4,83

	NICKEL	VANADIUM	ZINC	CADMIUM
	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	10	9	10	9
MAXIMUM :	0.00254	0.0014	0.017	0.00058
MINIMUM :	0.00035	0.0006	0.001	0.00004
RANGE :	0.00219	0.0008	0.016	0.00055
ARITH. MEAN :	0.00092	0.0009	0.007	0.00022
ARITH. STD. DEV :	0.00082	0.0002	0.006	0.00020
GEOM. MEAN :	0.00068	0.0009	0.005	0.00015
GEOM. STD. DEV. :	2.17396	1.2711	2.985	2.56734
1ST QUARTILE :	0.00038	0.0007	0.002	0.00008
2ND QUARTILE :	0.00045	0.0008	0.006	0.00015
3RD QUARTILE :	0.00116	0.0009	0.010	0.00018

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : PICKLE LAKE/CUMULATIVE/LO-VOL #36

PERIOD OF REPORT : JAN 5,82 TO JAN 10,83

	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	TOTAL SULPHUR UG/M**3	TOTAL N -NITRATE UG/M**3	CHLORIDE UG/M**3	CALCIUM UG/M**3	MAGNESIM UG/M**3
# OF SAMPLES :	10	8	7	9	8	11	11
MAXIMUM :	3.96	2.11	2.69	0.21	0.44	0.66	0.18
MINIMUM :	0.25	0.19	0.19	0.00	0.09	0.01	0.02
RANGE :	3.71	1.92	2.50	0.21	0.36	0.65	0.16
ARITH. MEAN :	1.16	0.92	0.85	0.07	0.20	0.18	0.05
ARITH. STD. DEV :	1.26	0.58	0.88	0.06	0.12	0.18	0.05
GEOM. MEAN :	0.73	0.75	0.58	0.08	0.18	0.11	0.04
GEOM. STD. DEV. :	2.67	2.09	2.48	3.18	1.70	3.16	1.91
1ST QUARTILE :	0.31	0.49	0.24	0.03	0.12	0.07	0.02
2ND QUARTILE :	0.51	0.95	0.44	0.05	0.17	0.12	0.04
3RD QUARTILE :	1.35	1.08	0.95	0.08	0.26	0.19	0.05

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : PICKLE LAKE/CUMULATIVE/LO-VOL #36

PERIOD OF REPORT : JAN 5,82 TO JAN 10,83

	POTASSIM	SODIUM	IRON	ALUMINUM	LEAD	MANGANSE	COPPER
	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	9	10	11	11	11	11	11
MAXIMUM :	0.042	0.287	0.348	0.195	0.028	0.005	0.0085
MINIMUM :	0.000	0.060	0.020	0.007	0.002	0.000	0.0006
RANGE :	0.042	0.227	0.328	0.188	0.026	0.005	0.0079
ARITH. MEAN :	0.016	0.120	0.079	0.041	0.012	0.002	0.0026
ARITH. STD. DEV :	0.016	0.065	0.092	0.054	0.008	0.002	0.0024
GEOM. MEAN :	0.019	0.109	0.057	0.026	0.010	0.001	0.0018
GEOM. STD. DEV. :	3.225	1.544	2.128	2.503	2.106	2.737	2.4044
1ST QUARTILE :	0.003	0.084	0.033	0.014	0.005	0.000	0.0008
2ND QUARTILE :	0.005	0.101	0.045	0.017	0.010	0.001	0.0013
3RD QUARTILE :	0.029	0.112	0.075	0.042	0.014	0.003	0.0036

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : PICKLE LAKE/CUMULATIVE/LO-VOL #36

PERIOD OF REPORT : JAN 5,82 TO JAN 10,83

	NICKEL	VANADIUM	ZINC	CADMIUM
	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	10	9	11	11
MAXIMUM :	0.00192	0.0015	0.009	0.00051
MINIMUM :	0.00028	0.0006	0.001	0.00004
RANGE :	0.00164	0.0010	0.008	0.00048
ARITH. MEAN :	0.00066	0.0010	0.004	0.00018
ARITH. STD. DEV :	0.00055	0.0003	0.003	0.00019
GEOM. MEAN :	0.00053	0.0009	0.003	0.00011
GEOM. STD. DEV. :	1.89055	1.3353	2.318	2.83270
1ST QUARTILE :	0.00034	0.0008	0.001	0.00004
2ND QUARTILE :	0.00045	0.0009	0.005	0.00006
3RD QUARTILE :	0.00051	0.0010	0.007	0.00029

PART IV

SUMMARY STATISTICS OF OBSERVED CONCENTRATION BY REGION

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CENTRAL REGION/CUMULATIVE/LO-VOL

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	TOTAL SULPHUR UG/M**3	TOTAL N -NITRATE UG/M**3	CHLORIDE UG/M**3	CALCIUM UG/M**3	MAGNESIM UG/M**3
# OF SAMPLES :	42	37	37	39	38	42	43
MAXIMUM :	15.81	7.18	8.11	1.33	0.55	4.03	0.55
MINIMUM :	0.71	0.20	0.77	0.18	0.00	0.01	0.00
RANGE :	15.10	6.99	7.34	1.15	0.55	4.03	0.54
ARITH. MEAN :	5.12	3.62	3.90	0.61	0.29	0.72	0.10
ARITH. STD. DEV :	3.61	1.57	1.75	0.26	0.12	0.85	0.12
GEOM. MEAN :	3.82	3.05	3.48	0.56	0.29	0.36	0.07
GEOM. STD. DEV. :	2.32	2.08	1.67	1.55	1.47	3.74	2.70
1ST QUARTILE :	1.98	2.90	2.51	0.40	0.21	0.15	0.04
2ND QUARTILE :	4.41	3.69	3.57	0.57	0.27	0.47	0.06
3RD QUARTILE :	6.97	4.54	4.61	0.79	0.36	0.96	0.12

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CENTRAL REGION/CUMULATIVE/LO-VOL

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	POTASSIM	SODIUM	IRON	ALUMINUM	LEAD	MANGANSE	COPPER
	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	36	34	43	43	43	42	43
MAXIMUM :	0.222	0.201	0.338	0.188	0.185	0.017	0.0074
MINIMUM :	0.000	0.065	0.016	0.005	0.002	0.000	0.0003
RANGE :	0.222	0.135	0.322	0.183	0.183	0.017	0.0071
ARITH. MEAN :	0.069	0.116	0.115	0.069	0.054	0.007	0.0022
ARITH. STD. DEV :	0.044	0.033	0.077	0.050	0.044	0.004	0.0016
GEOM. MEAN :	0.064	0.112	0.091	0.051	0.038	0.005	0.0017
GEOM. STD. DEV. :	1.954	1.316	2.087	2.339	2.494	2.362	2.1740
1ST QUARTILE :	0.040	0.091	0.050	0.024	0.021	0.003	0.0011
2ND QUARTILE :	0.058	0.108	0.099	0.059	0.041	0.006	0.0019
3RD QUARTILE :	0.091	0.135	0.162	0.092	0.064	0.010	0.0027

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CENTRAL REGION/CUMULATIVE/LO-VOL

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	NICKEL	VANADIUM	ZINC	CADMIUM
	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	43	42	43	42
MAXIMUM :	0.00635	0.0019	0.042	0.00138
MINIMUM :	0.00031	0.0005	0.001	0.00004
RANGE :	0.00604	0.0014	0.042	0.00135
ARITH. MEAN :	0.00133	0.0008	0.017	0.00043
ARITH. STD. DEV :	0.00149	0.0003	0.011	0.00028
GEOM. MEAN :	0.00084	0.0008	0.013	0.00033
GEOM. STD. DEV. :	2.51072	1.3551	2.408	2.27536
1ST QUARTILE :	0.00036	0.0007	0.009	0.00025
2ND QUARTILE :	0.00065	0.0007	0.015	0.00038
3RD QUARTILE :	0.00169	0.0008	0.022	0.00058

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : NORTHEASTERN REGION/CUMULATIVE/LO-VOL

PERIOD OF REPORT : JAN 5,82 TO JAN 16,83

	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	TOTAL SULPHUR UG/M**3	TOTAL N -NITRATE UG/M**3	CHLORIDE UG/M**3	CALCIUM UG/M**3	MAGNESIM UG/M**3
# OF SAMPLES :	64	59	57	59	56	65	65
MAXIMUM :	17.91	5.21	9.96	1.12	0.55	0.73	0.24
MINIMUM :	0.25	0.20	0.19	0.02	0.02	0.01	0.02
RANGE :	17.66	5.01	9.77	1.09	0.53	0.72	0.22
ARITH. MEAN :	3.72	2.57	2.66	0.33	0.18	0.18	0.07
ARITH. STD. DEV :	4.13	1.02	2.14	0.23	0.09	0.12	0.05
GEOM. MEAN :	2.27	2.33	2.08	0.26	0.16	0.15	0.06
GEOM. STD. DEV. :	2.73	1.66	2.03	2.15	1.78	1.94	1.81
1ST QUARTILE :	1.14	1.77	1.38	0.16	0.13	0.11	0.04
2ND QUARTILE :	2.09	2.38	2.08	0.27	0.16	0.15	0.05
3RD QUARTILE :	4.40	3.17	2.85	0.44	0.21	0.21	0.08

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : NORTHEASTERN REGION/CUMULATIVE/LO-VOL

PERIOD OF REPORT : JAN 5,82 TO JAN 16,83 PAGE : 2

	POTASSIM	SODIUM	IRON	ALUMINUM	LEAD	MANGANSE	COPPER
	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	55	59	66	66	64	66	63
MAXIMUM :	0.179	0.513	0.651	0.787	0.046	0.022	0.0158
MINIMUM :	0.002	0.000	0.019	0.007	0.002	0.000	0.0003
RANGE :	0.177	0.513	0.632	0.781	0.045	0.021	0.0155
ARITH. MEAN :	0.058	0.161	0.126	0.081	0.022	0.005	0.0025
ARITH. STD. DEV :	0.034	0.109	0.129	0.120	0.010	0.004	0.0023
GEOM. MEAN :	0.048	0.142	0.089	0.046	0.019	0.004	0.0019
GEOM. STD. DEV. :	2.000	1.804	2.198	2.677	1.826	2.125	2.1745
1ST QUARTILE :	0.038	0.084	0.054	0.023	0.013	0.002	0.0013
2ND QUARTILE :	0.050	0.133	0.080	0.037	0.020	0.004	0.0019
3RD QUARTILE :	0.068	0.202	0.128	0.077	0.030	0.006	0.0032

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : NORTHEASTERN REGION/CUMULATIVE/LO-VOL

PERIOD OF REPORT : JAN 5,82 TO JAN 16,83

	NICKEL	VANADIUM	ZINC	CADMIUM
	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	64	65	65	60
MAXIMUM :	0.00455	0.0021	0.026	0.00241
MINIMUM :	0.00024	0.0005	0.001	0.00002
RANGE :	0.00431	0.0017	0.025	0.00239
ARITH. MEAN :	0.00082	0.0008	0.012	0.00065
ARITH. STD. DEV :	0.00089	0.0003	0.006	0.00057
GEOM. MEAN :	0.00059	0.0008	0.011	0.00044
GEOM. STD. DEV. :	2.04516	1.3738	1.830	2.63692
1ST QUARTILE :	0.00036	0.0006	0.008	0.00025
2ND QUARTILE :	0.00042	0.0007	0.012	0.00047
3RD QUARTILE :	0.00093	0.0008	0.017	0.00080

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : NORTHWESTERN REGION/CUMULATIVE/LO-VOL

PERIOD OF REPORT : JAN 5,82 TO JAN 10,83 PAGE : 1

	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	TOTAL SULPHUR UG/M**3	TOTAL N -NITRATE UG/M**3	CHLORIDE UG/M**3	CALCIUM UG/M**3	MAGNESIM UG/M**3
# OF SAMPLES :	39	36	33	38	38	44	44
MAXIMUM :	3.96	2.41	2.69	0.40	0.44	3.22	0.76
MINIMUM :	0.01	0.01	0.02	0.00	0.04	0.01	0.02
RANGE :	3.95	2.40	2.67	0.40	0.40	3.22	0.74
ARITH. MEAN :	1.18	1.33	1.05	0.12	0.17	0.38	0.11
ARITH. STD. DEV :	1.08	0.61	0.71	0.09	0.09	0.66	0.15
GEOM. MEAN :	0.73	1.05	0.77	0.09	0.15	0.18	0.07
GEOM. STD. DEV. :	3.09	2.70	2.68	2.83	1.64	3.19	2.38
1ST QUARTILE :	0.37	0.98	0.53	0.05	0.10	0.09	0.03
2ND QUARTILE :	0.59	1.37	0.80	0.11	0.16	0.16	0.06
3RD QUARTILE :	1.75	1.78	1.42	0.16	0.21	0.37	0.10

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : NORTHWESTERN REGION/CUMULATIVE/LO-VOL

PERIOD OF REPORT : JAN 5,82 TO JAN 10,83

	POTASSIM	SODIUM	IRON	ALUMINUM	LEAD	MANGANSE	COPPER
	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	36	41	43	43	44	44	44
MAXIMUM :	0.131	0.287	0.608	0.415	0.029	0.015	0.0085
MINIMUM :	0.000	0.000	0.016	0.007	0.001	0.000	0.0003
RANGE :	0.131	0.287	0.592	0.408	0.028	0.014	0.0082
ARITH. MEAN :	0.041	0.120	0.137	0.069	0.013	0.004	0.0018
ARITH. STD. DEV :	0.031	0.063	0.143	0.082	0.007	0.004	0.0017
GEOM. MEAN :	0.031	0.111	0.090	0.044	0.011	0.003	0.0013
GEOM. STD. DEV. :	3.007	1.974	2.445	2.434	2.008	2.702	2.0777
1ST QUARTILE :	0.017	0.080	0.046	0.023	0.007	0.002	0.0007
2ND QUARTILE :	0.035	0.110	0.068	0.040	0.013	0.003	0.0013
3RD QUARTILE :	0.061	0.138	0.190	0.069	0.017	0.005	0.0020

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : NORTHWESTERN REGION/CUMULATIVE/LO-VOL

PERIOD OF REPORT : JAN 5,82 TO JAN 10,83

	NICKEL	VANADIUM	ZINC	CADMIUM
	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	43	39	44	42
MAXIMUM :	0.00254	0.0015	0.017	0.00058
MINIMUM :	0.00028	0.0005	0.001	0.00003
RANGE :	0.00226	0.0010	0.016	0.00055
ARITH. MEAN :	0.00075	0.0008	0.006	0.00020
ARITH. STD. DEV :	0.00063	0.0002	0.004	0.00017
GEOM. MEAN :	0.00058	0.0008	0.004	0.00013
GEOM. STD. DEV. :	1.96805	1.2782	2.228	2.67505
1ST QUARTILE :	0.00035	0.0006	0.003	0.00005
2ND QUARTILE :	0.00044	0.0007	0.005	0.00014
3RD QUARTILE :	0.00103	0.0009	0.007	0.00027

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : SOUTHEASTERN REGION/CUMULATIVE/LO-VOL

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	TOTAL SULPHUR UG/M**3	TOTAL N -NITRATE UG/M**3	CHLORIDE UG/M**3	CALCIUM UG/M**3	MAGNESIM UG/M**3
# OF SAMPLES :	42	37	37	36	37	42	42
MAXIMUM :	19.57	5.64	11.00	1.58	1.09	2.53	1.05
MINIMUM :	0.35	0.39	0.87	0.05	0.06	0.02	0.01
RANGE :	19.22	5.24	10.13	1.54	1.03	2.51	1.03
ARITH. MEAN :	4.43	3.08	3.39	0.48	0.30	0.50	0.12
ARITH. STD. DEV :	4.14	1.31	2.17	0.30	0.24	0.53	0.18
GEOM. MEAN :	3.04	2.69	2.85	0.40	0.24	0.32	0.07
GEOM. STD. DEV. :	2.47	1.85	1.81	1.93	1.90	2.70	2.56
1ST QUARTILE :	1.53	2.32	1.90	0.27	0.16	0.16	0.04
2ND QUARTILE :	2.95	3.31	2.91	0.41	0.23	0.29	0.06
3RD QUARTILE :	6.18	3.82	4.17	0.63	0.29	0.63	0.09

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : SOUTHEASTERN REGION/CUMULATIVE/LO-VOL

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83 PAGE : 2

	POTASSIM UG/M**3	SODIUM UG/M**3	IRON UG/M**3	ALUMINUM UG/M**3	LEAD UG/M**3	MANGANSE UG/M**3	COPPER UG/M**3
# OF SAMPLES :	34	33	42	42	42	40	41
MAXIMUM :	0.122	0.514	0.327	0.225	0.118	0.023	0.0064
MINIMUM :	0.000	0.065	0.024	0.002	0.004	0.000	0.0007
RANGE :	0.122	0.449	0.303	0.222	0.114	0.023	0.0057
ARITH. MEAN :	0.063	0.146	0.101	0.062	0.045	0.007	0.0026
ARITH. STD. DEV :	0.028	0.086	0.053	0.042	0.026	0.005	0.0012
GEOM. MEAN :	0.065	0.130	0.090	0.048	0.036	0.006	0.0024
GEOM. STD. DEV. :	1.572	1.568	1.649	2.284	2.134	2.265	1.5779
1ST QUARTILE :	0.043	0.091	0.059	0.030	0.028	0.004	0.0018
2ND QUARTILE :	0.061	0.125	0.094	0.059	0.042	0.006	0.0025
3RD QUARTILE :	0.079	0.159	0.137	0.081	0.055	0.009	0.0032

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : SOUTHEASTERN REGION/CUMULATIVE/LO-VOL

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	NICKEL	VANADIUM	ZINC	CADMIUM
	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	40	42	41	40
MAXIMUM :	0.00464	0.0107	0.046	0.00285
MINIMUM :	0.00031	0.0005	0.002	0.00005
RANGE :	0.00433	0.0101	0.044	0.00280
ARITH. MEAN :	0.00159	0.0021	0.015	0.00075
ARITH. STD. DEV :	0.00126	0.0024	0.009	0.00068
GEOM. MEAN :	0.00113	0.0014	0.013	0.00050
GEOM. STD. DEV. :	2.38045	2.3090	1.800	2.56733
1ST QUARTILE :	0.00049	0.0007	0.010	0.00026
2ND QUARTILE :	0.00113	0.0010	0.012	0.00053
3RD QUARTILE :	0.00230	0.0023	0.018	0.00095

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : SOUTHWESTERN REGION/CUMULATIVE/LO-VOL

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	TOTAL SULPHUR UG/M**3	TOTAL N -NITRATE UG/M**3	CHLORIDE UG/M**3	CALCIUM UG/M**3	MAGNESIM UG/M**3
# OF SAMPLES :	51	38	38	44	46	50	52
MAXIMUM :	37.34	10.37	21.25	2.50	1.06	2.46	0.97
MINIMUM :	0.49	1.20	1.11	0.30	0.16	0.12	0.04
RANGE :	36.85	9.17	20.14	2.20	0.91	2.34	0.93
ARITH. MEAN :	10.60	4.87	7.13	1.13	0.49	0.65	0.19
ARITH. STD. DEV :	10.01	1.94	5.51	0.53	0.22	0.52	0.19
GEOM. MEAN :	6.87	4.50	5.43	1.00	0.44	0.51	0.14
GEOM. STD. DEV. :	2.72	1.52	2.15	1.66	1.61	2.01	2.16
1ST QUARTILE :	3.58	3.44	3.16	0.85	0.29	0.30	0.08
2ND QUARTILE :	6.54	4.71	5.67	1.03	0.43	0.49	0.13
3RD QUARTILE :	13.90	5.89	8.41	1.32	0.61	0.78	0.19

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : SOUTHWESTERN REGION/CUMULATIVE/LO-VOL

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	POTASSIM	SODIUM	IRON	ALUMINUM	LEAD	MANGANSE	COPPER
	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	42	42	51	50	50	52	51
MAXIMUM :	0.175	0.360	0.820	0.541	0.114	0.034	0.0084
MINIMUM :	0.003	0.031	0.029	0.010	0.008	0.003	0.0008
RANGE :	0.172	0.329	0.791	0.532	0.106	0.031	0.0077
ARITH. MEAN :	0.079	0.145	0.166	0.093	0.054	0.010	0.0027
ARITH. STD. DEV :	0.034	0.059	0.145	0.095	0.025	0.007	0.0016
GEOM. MEAN :	0.069	0.134	0.125	0.067	0.047	0.008	0.0023
GEOM. STD. DEV. :	1.892	1.538	2.095	2.163	1.783	1.898	1.7779
1ST QUARTILE :	0.053	0.098	0.069	0.037	0.039	0.005	0.0014
2ND QUARTILE :	0.075	0.145	0.126	0.062	0.051	0.008	0.0021
3RD QUARTILE :	0.101	0.171	0.190	0.095	0.067	0.012	0.0036

ONTARIO MINISTRY OF THE ENVIRONMENT
SUMMARY STATISTICS OF AMBIENT CONCENTRATIONS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : SOUTHWESTERN REGION/CUMULATIVE/LO-VOL

PERIOD OF REPORT : JAN 5,82 TO JAN 4,83

	NICKEL	VANADIUM	ZINC	CADMIUM
	UG/M**3	UG/M**3	UG/M**3	UG/M**3
# OF SAMPLES :	51	52	51	51
MAXIMUM :	0.00303	0.0035	0.079	0.00176
MINIMUM :	0.00032	0.0006	0.002	0.00004
RANGE :	0.00271	0.0029	0.077	0.00171
ARITH. MEAN :	0.00093	0.0012	0.027	0.00065
ARITH. STD. DEV :	0.00070	0.0008	0.016	0.00044
GEOM. MEAN :	0.00074	0.0011	0.023	0.00050
GEOM. STD. DEV. :	1.94189	1.6893	1.960	2.23770
1ST QUARTILE :	0.00039	0.0007	0.017	0.00025
2ND QUARTILE :	0.00064	0.0008	0.023	0.00056
3RD QUARTILE :	0.00127	0.0015	0.039	0.00088